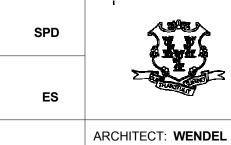
#10- PLUMBING INDEX OF DRAWINGS									
Drawing Number		Drawing Number		Sheet Name					
P-001	PLUMBING & SANITARY SHEET INDEX	Namber							
P-002	GENERAL NOTES								
P-101	PLUMBING GROUND FLOOR PLAN - AREA D & E								
P-102	PLUMBING FIRST FLOOR PLAN - AREA A								
P-103	PLUMBING FIRST FLOOR PLAN - AREA B								
P-104 P-105	PLUMBING FIRST FLOOR PLAN - AREA C PLUMBING FIRST FLOOR PLAN - AREA D								
P-105	PLUMBING FIRST FLOOR PLAN - AREA E								
P-107	PLUMBING FIRST FLOOR PLAN - AREA F								
P-108	PLUMBING SECOND FLOOR PLAN - AREA G								
P-109	SANITARY GROUND FLOOR PLAN - AREA A								
P-110	SANITARY GROUND FLOOR PLAN - AREA B								
P-111	SANITARY GROUND FLOOR PLAN - AREA C								
P-112	SANITARY GROUND FLOOR PLAN - AREA D & E								
P-113 P-114	SANITARY FIRST FLOOR PLAN - AREA A SANITARY FIRST FLOOR PLAN - AREA B								
P-114 P-115	SANITARY FIRST FLOOR PLAN - AREA C								
P-116	SANITARY FIRST FLOOR PLAN - AREA D								
P-117	SANITARY FIRST FLOOR PLAN - AREA E								
P-118	SANITARY FIRST FLOOR PLAN - AREA F								
P-119	SANITARY SECOND FLOOR PLAN - AREA G								
P-120	ROOF DRAINAGE PLAN - AREA A								
P-121	ROOF DRAINAGE PLAN - AREA B								
P-122 P-123	ROOF DRAINAGE PLAN - AREA C ROOF DRAINAGE PLAN - AREA D								
P-123 P-124	ROOF DRAINAGE PLAN - AREA D  ROOF DRAINAGE PLAN - AREA E								
P-12 <del>5</del>	ROOF DRAINAGE PLAN - AREA F								
P-801	PLUMBING DETAILS								
P-802	PLUMBING DETAILS								
P-803	PLUMBING DETAILS								
P-901	PLUMBING SCHEDULES								

DESIGNED BY: AI ENGINEERS 919 MIDDLE STREET MIDDLETOWN, CT 06457
--

				THE INFORMATION, INCLUDING
				ESTIMATED QUANTITIES OF
				WORK, SHOWN ON THESE
				SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE
				AND IS IN NO WAY WARRANTED
				TO INDICATE THE CONDITIONS (
REV.	DATE	DESCRIPTION	SHEET NO.	ACTUAL QUANTITIES OF WORK
		REVISIONS		WHICH WILL BE REQUIRED.

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	DESIGNER/DRAFTER:	
		s
	CHECKED BY:	
F		
	SCALE:	



APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION





PROJECT TITLE: WATERBURY BUS
MAINTENANCE FACILITY
REPLACEMENT

FROST BRIDGE ROAD WATERTOWN, CONNECTICUT 06787 DRAWING TITLE: PLUMBING SHEET INDEX

PROJECT NO. **0431-0006** P-001 SHEET NO. 10.001

Connecticut Department of Transportation

QA/QC Format Check

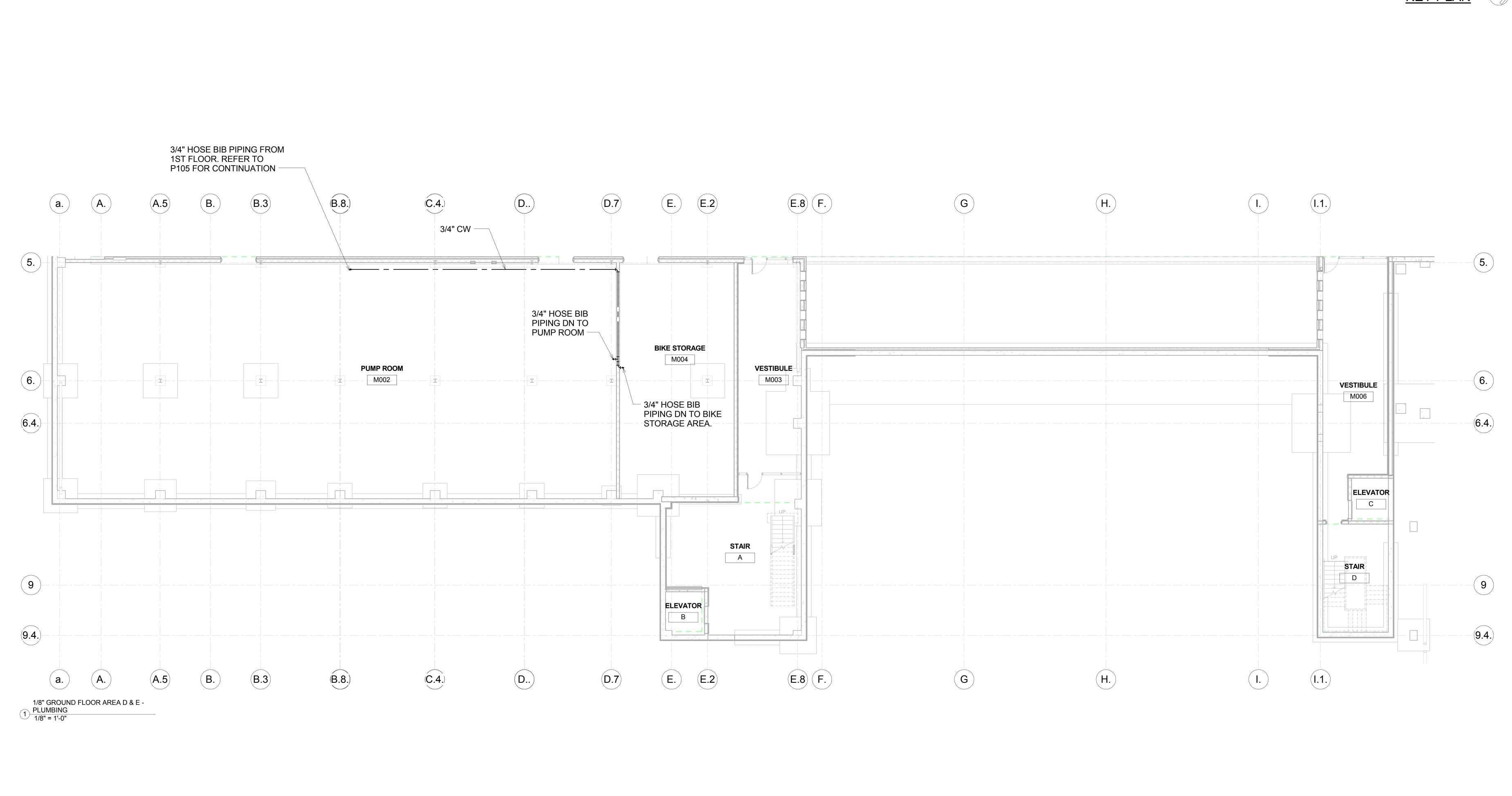
DATE:

APPROVED BY:

10.002

REVISIONS

FILENAME:



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEERS: ReSTL DESIGNERS, CLOUGH HARBOUR ASSOC., AI ENGINEERS,

STATE OF CONNECTICUT

DATE:

APPROVED BY:

DESIGNED BY:

AI ENGINEERS

919 MIDDLE STREET

MIDDLETOWN CT

PROJECT TITLE:

**WATERBURY BUS** 

MAINTENANCE FACILITY

**REPLACEMENT** 

DRAWING TITLE:

DESIGNER/DRAFTER:

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ESTIMATED QUANTITIES OF

WORK, SHOWN ON THESE

REV. DATE

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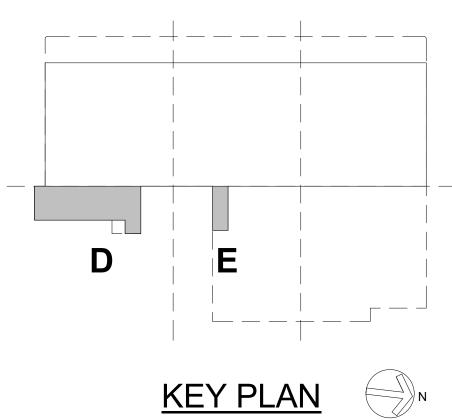
REVISIONS

PLUMBING & WATER HEATER NOTES: 1. REFER TO P901 SHEET FOR PLUMBING FIXTURE & WATER HEATER SCHEDULE.

2. PROVIDE SHUT-OFF VALVES AT ALL BRANCH CONNECTION.

3. PROVIDE SHUT-OFF VALVES AT EACH FIXTURE.

4. PROVIDE WATER HAMMER ARRESTORS AT END OF EACH BRANCH.



0431-0006

P-101

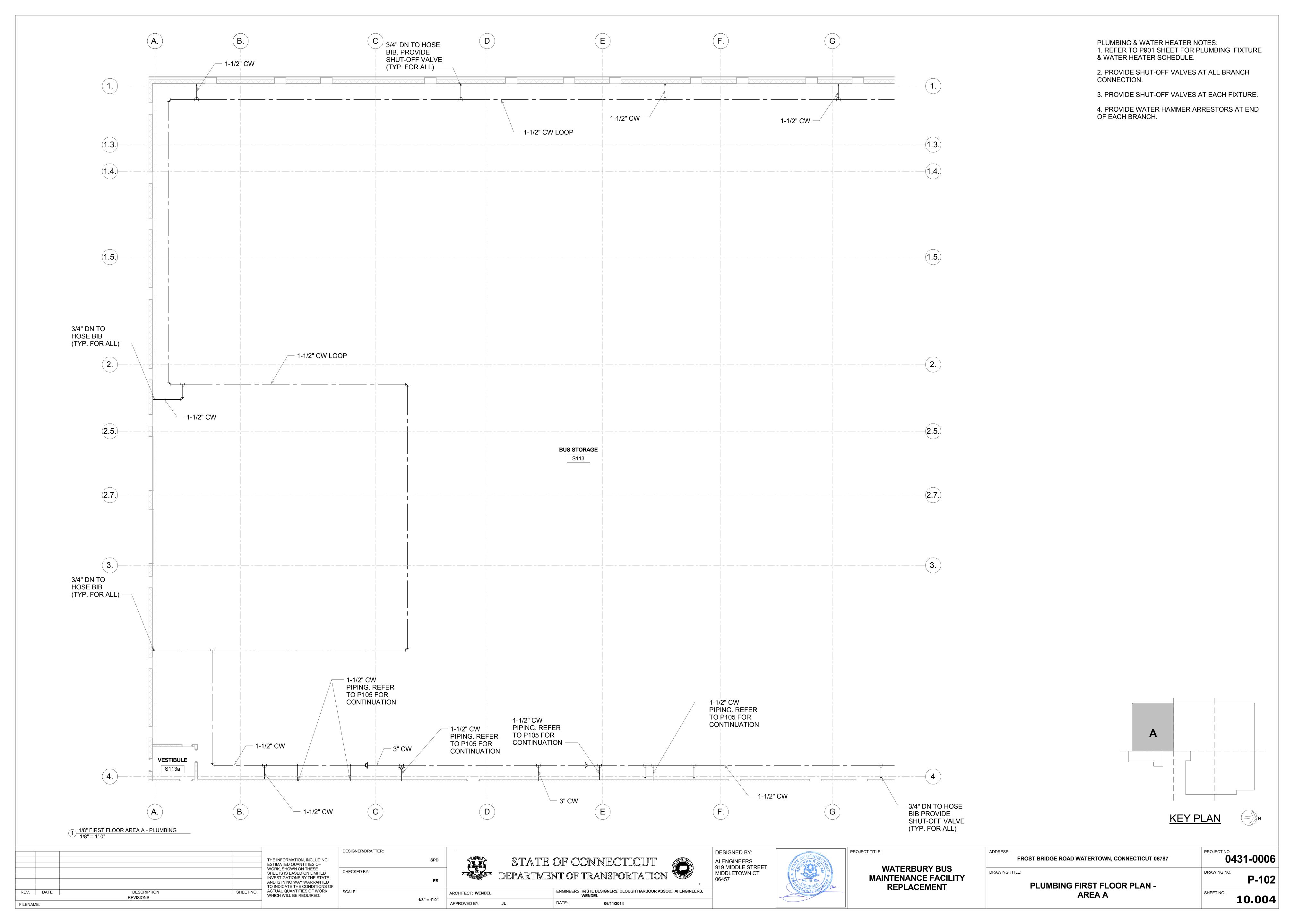
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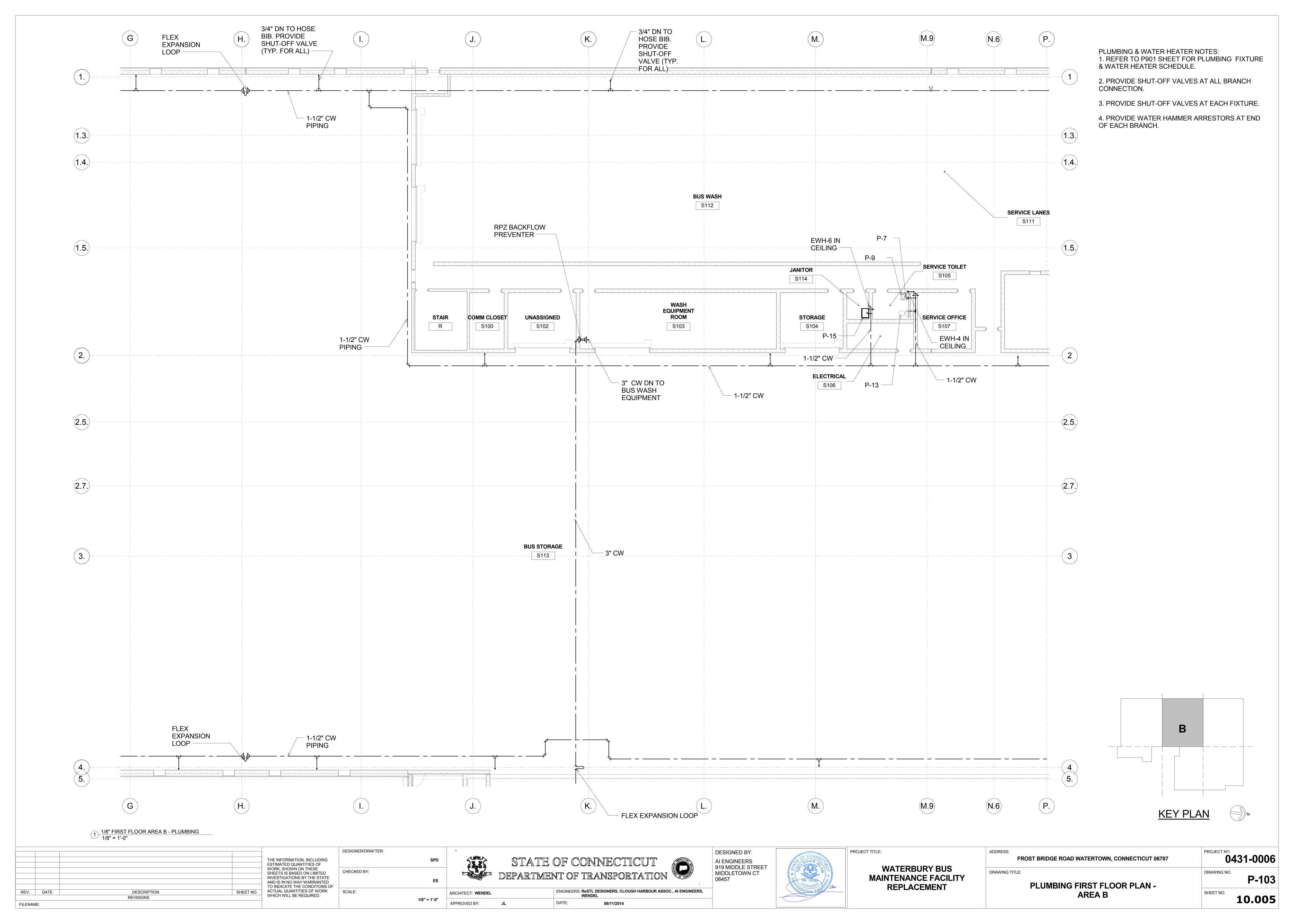
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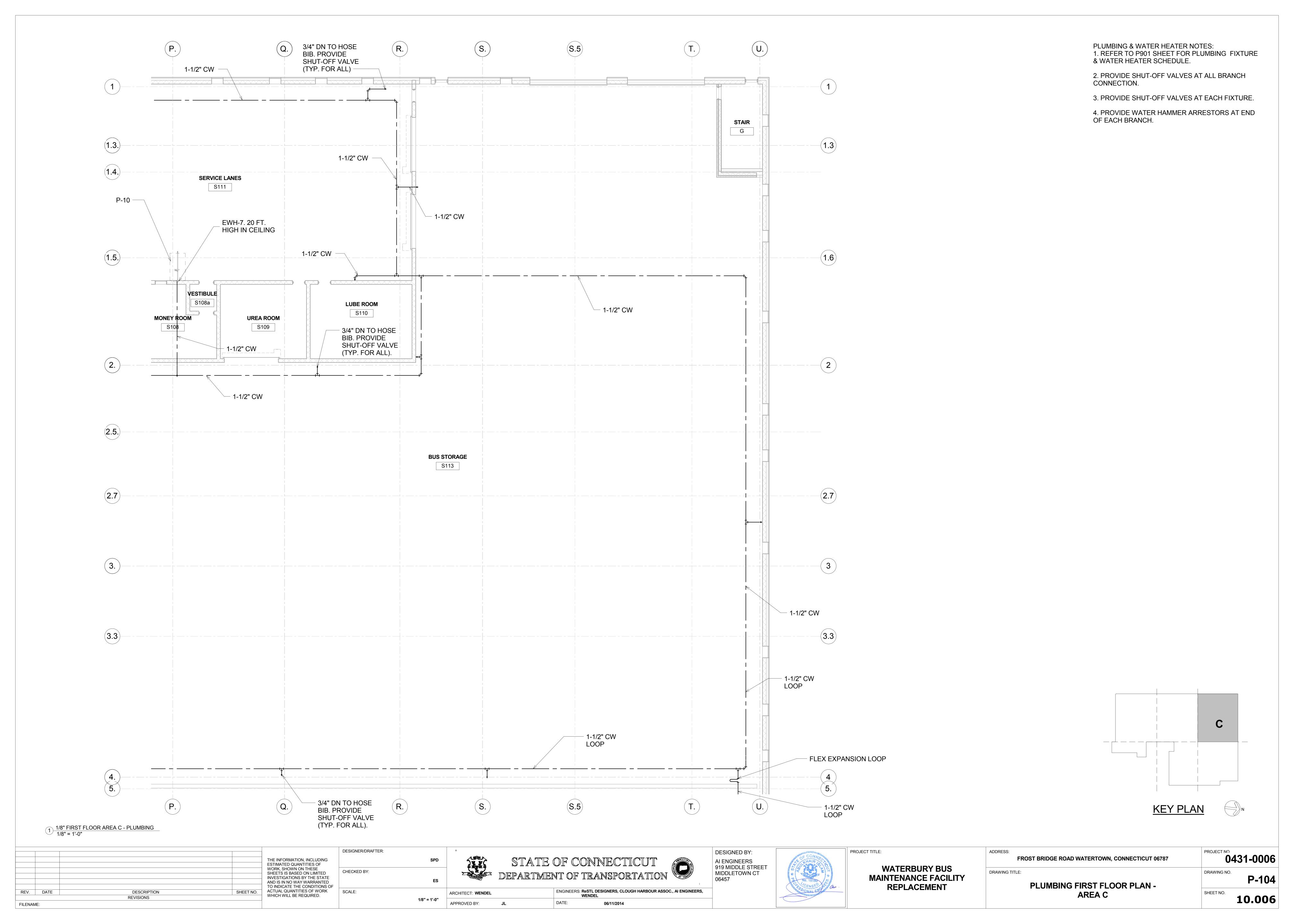
FROST BRIDGE ROAD WATERTOWN, CONNECTICUT 06787

PLUMBING GROUND FLOOR PLAN

- AREA D & E







**E**. P-6 -LUNCH ROOM A109 \_\_ 1-1/2" CW **(6.4**.) ELEV. MACHINE RADIO ROOM DISPATCH A110a A110 LOST AND FOUND STORAGE RECEPTION A111 A201 A201a Α VESTIBULE A201a

PLUMBING & WATER HEATER NOTES:

& WATER HEATER SCHEDULE.

CONNECTION.

OF EACH BRANCH.

1. REFER TO P901 SHEET FOR PLUMBING FIXTURE

2. PROVIDE SHUT-OFF VALVES AT ALL BRANCH

3. PROVIDE SHUT-OFF VALVES AT EACH FIXTURE.

4. PROVIDE WATER HAMMER ARRESTORS AT END

**KEY PLAN** 

DESIGNER/DRAFTER: DESIGNED BY: PROJECT TITLE: 0431-0006 STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION FROST BRIDGE ROAD WATERTOWN, CONNECTICUT 06787 AI ENGINEERS THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF 919 MIDDLE STREET **WATERBURY BUS** WORK, SHOWN ON THESE DRAWING TITLE: DRAWING NO. MIDDLETOWN CT SHEETS IS BASED ON LIMITED **MAINTENANCE FACILITY** P-105 INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED PLUMBING FIRST FLOOR PLAN -**REPLACEMENT** TO INDICATE THE CONDITIONS OF REV. DATE ACTUAL QUANTITIES OF WORK SCALE: WHICH WILL BE REQUIRED. ENGINEERS: ReSTL DESIGNERS, CLOUGH HARBOUR ASSOC., AI ENGINEERS, DESCRIPTION AREA D 10.007 REVISIONS DATE: APPROVED BY: FILENAME:

3/4" HOSE BIB PIPING

FOR CONTINUATION

P-5 & P-7 -

STORAGE

A102

EWH-3

CORRIDOR

A117

CONFERENCE/TRAINING

FLOOR. REFER TO P101

(B.3)

EWH-5 IN

P-2 -

CLOSET

A118

STREET

**SUPERVISOR** 

A114

MEN'S WOMEN'S TOILET/SHOWER

ROOM

A104

— P-15 <sup>└</sup>

SUPERVISOR

OFFICE -

**PARATRANSIT** 

A113

(C.4.)

EWH-5 IN CEILING

- 1-1/2" CW

**EXERCISE ROOM** 

EWH-3

— P-5 & P-7

(D..)

VESTIBULE

A106a

**CALL CUBICLES** A112

LOCKERS

A107

**QUIET ROOM** 

A106

ROOM

A111a

DN TO GROUND

(B.)

**EMERGENCY** 

COMM. ROOM

A102c

ELECTRICAL

CLOSET

A102a

COMMUNICATIONS

CLOSET

A102b

1-1/2" CW

(a)

(A.)

**OPERATIONS** 

**MANAGER** 

A101

**SECURE FILE** 

ROOM

A116

**TRAINING** 

MATERIAL &

VIDEO

**EQUIPMENT** 

A115a

P-17. FREEZE PROOF EXTERIOR HOSE BIB.

COORDINATE FINAL LOCATION W/ ARCH.

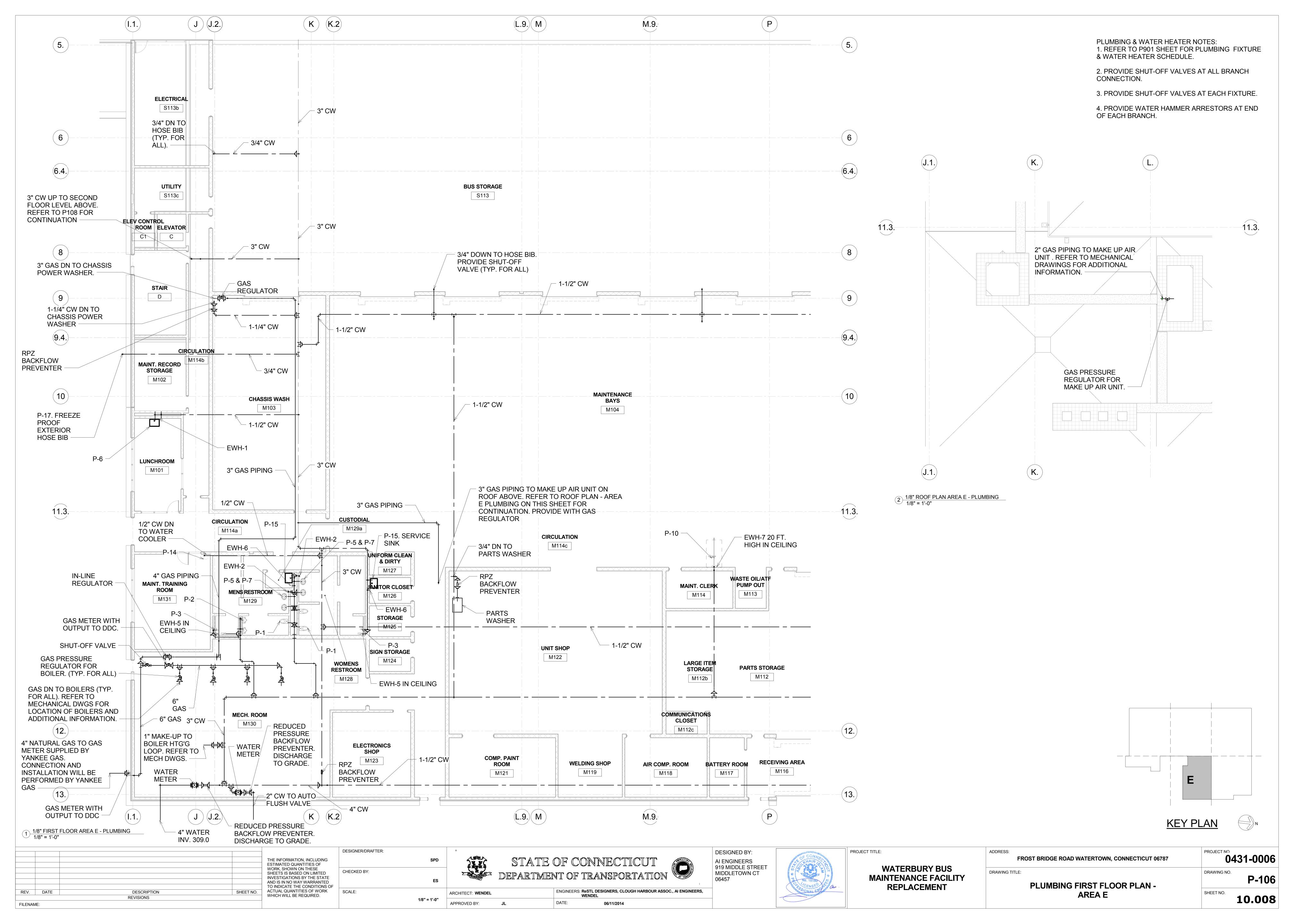
DWGS.

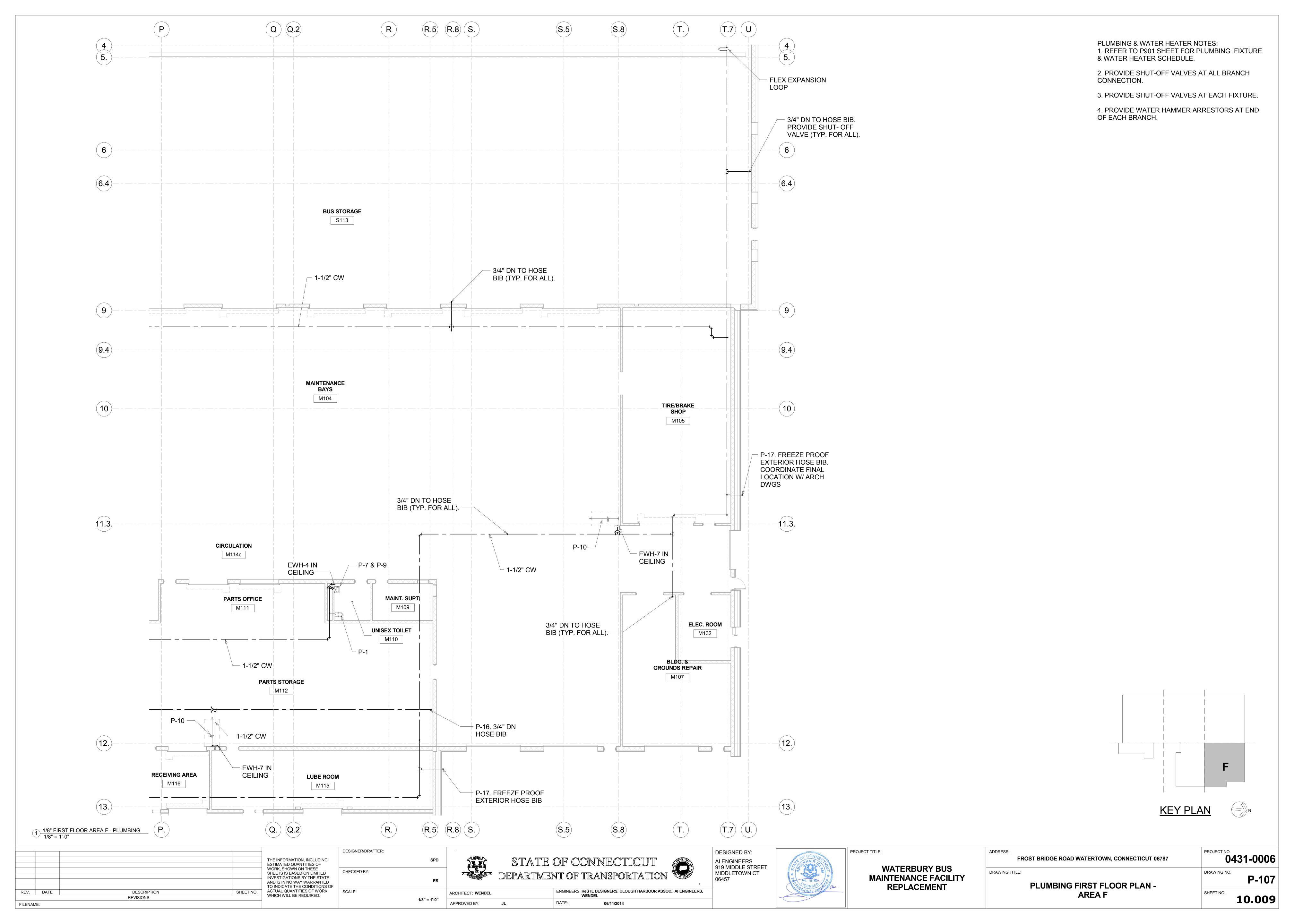
1/8" FIRST FLOOR AREA D - PLUMBING
1/8" = 1'-0"

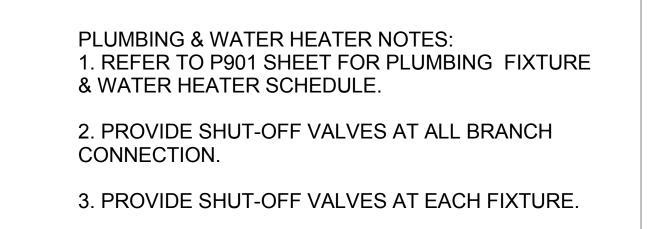
(6.4.)

(9.4.)

1-1/2" CW

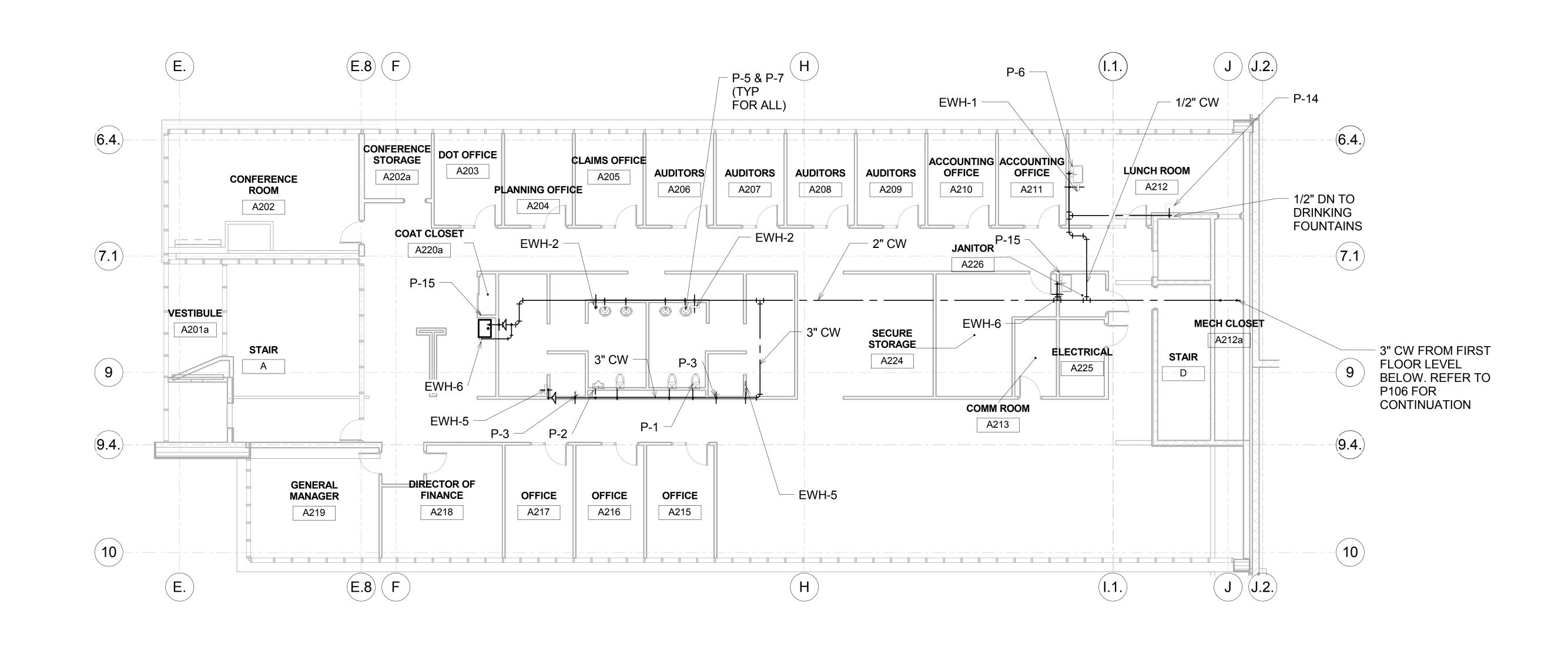


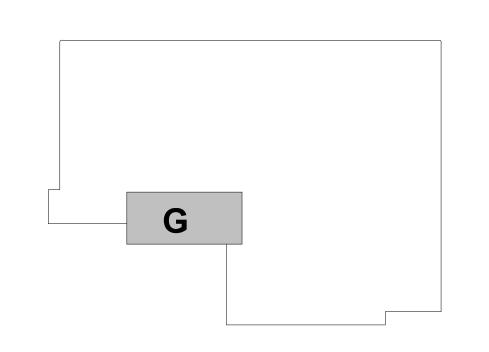




4. PROVIDE WATER HAMMER ARRESTORS AT END

OF EACH BRANCH.





	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED	DESIGNER/DRAFTER:  CHECKED BY:	SPD		STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	DESIGNED BY: AI ENGINEERS 919 MIDDLE STREET MIDDLETOWN CT 06457	No. 15180	WATERBURY B MAINTENANCE FA
V. DATE DESCRIPTION REVISIONS	SHEET NO.  TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	SCALE:	1/8" = 1'-0"	ARCHITECT: WENDEL	ENGINEERS: ReSTL DESIGNERS, CLOUGH HARBOUR ASSOC., AI ENGIN	EERS,	MINIOSOMAL ENCHAPTE CONTRACTOR OF THE PROPERTY	REPLACEMEN

1/8" SECOND FLOOR AREA G -

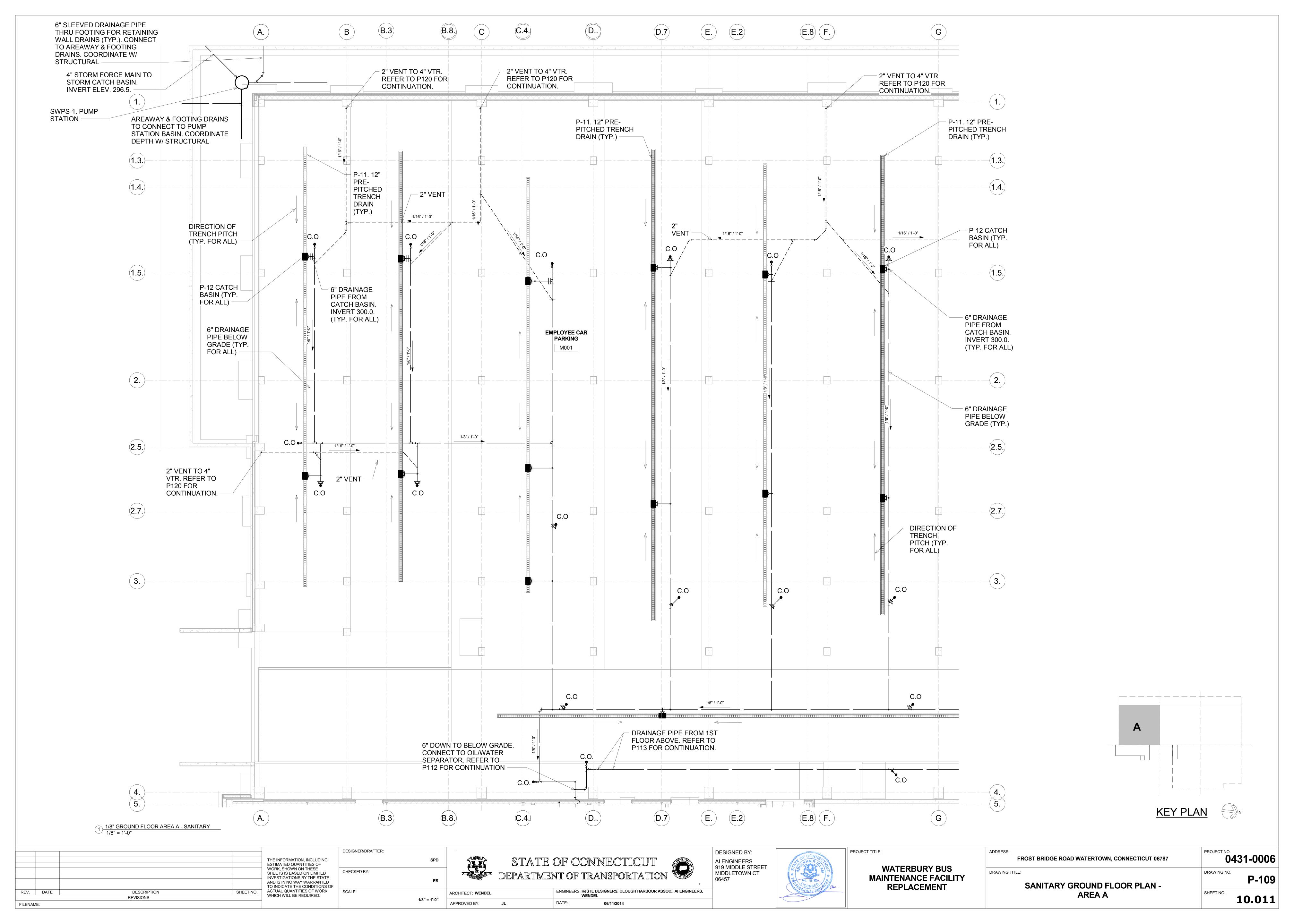
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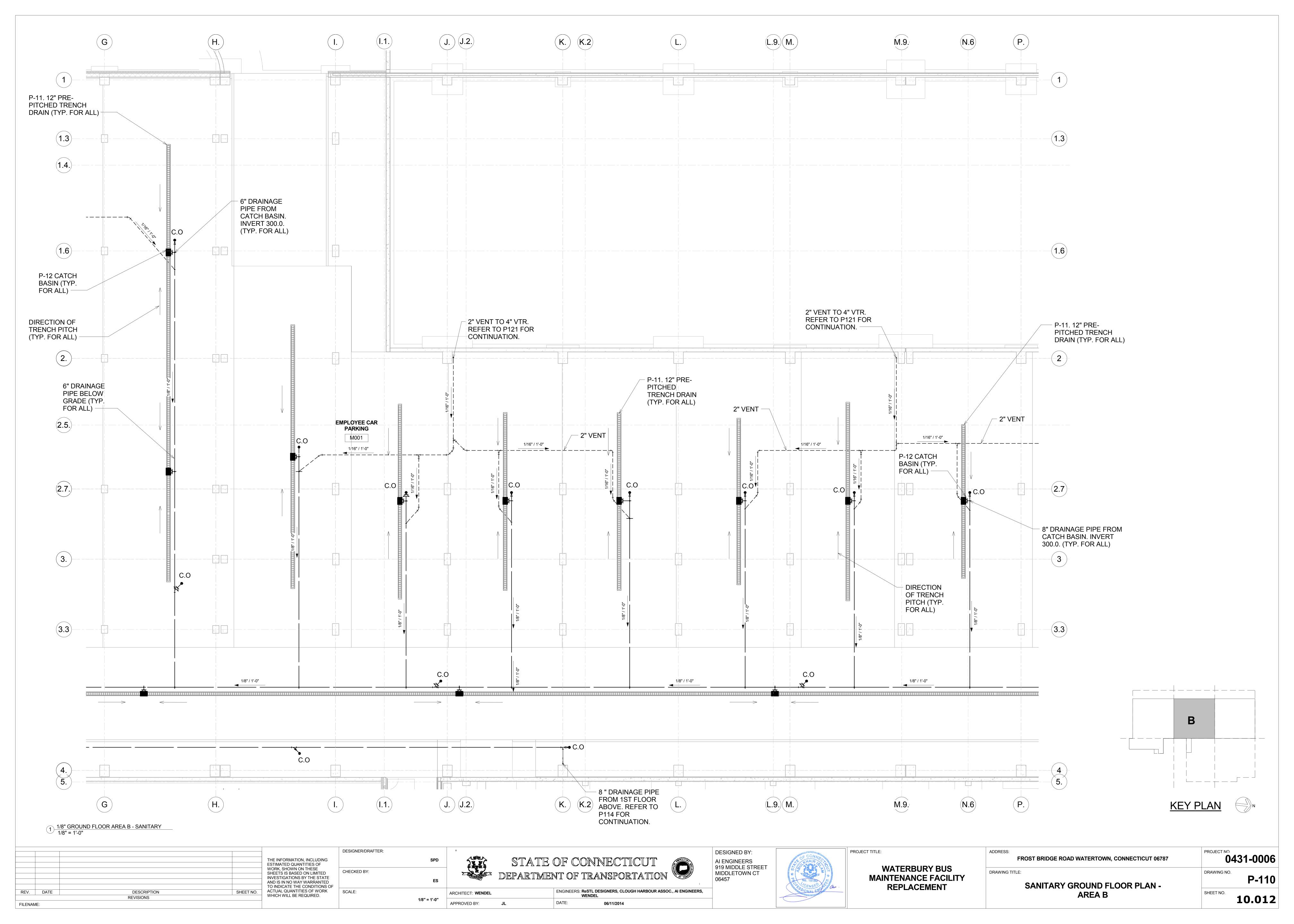
Y BUS FACILITY MENT

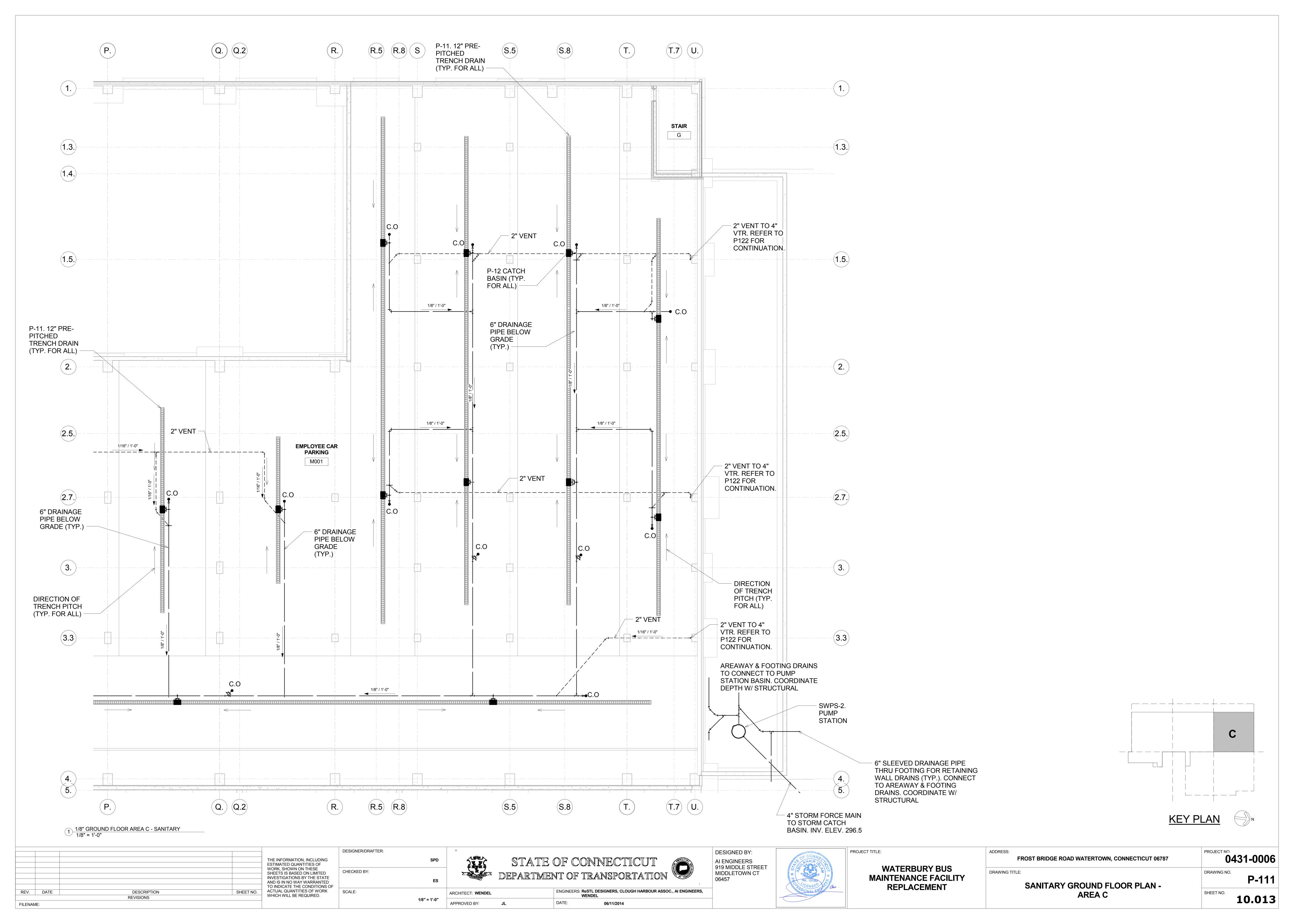
FROST BRIDGE ROAD WATERTOWN, CONNECTICUT 06787 PLUMBING SECOND FLOOR PLAN -

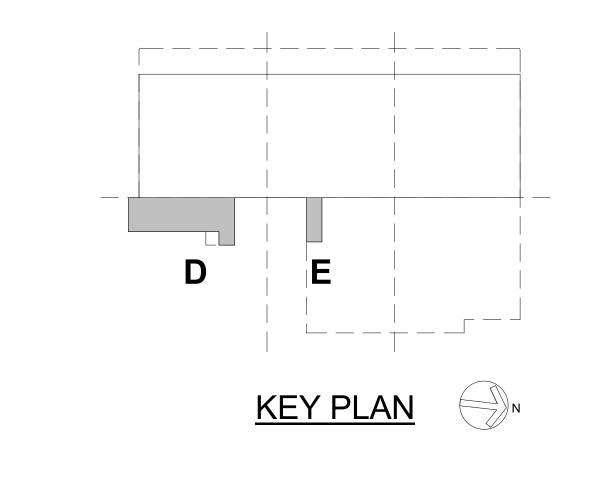
**AREA G** 

PROJECT NO. **0431-0006** P-108 10.010









0431-0006

P-112

10.014

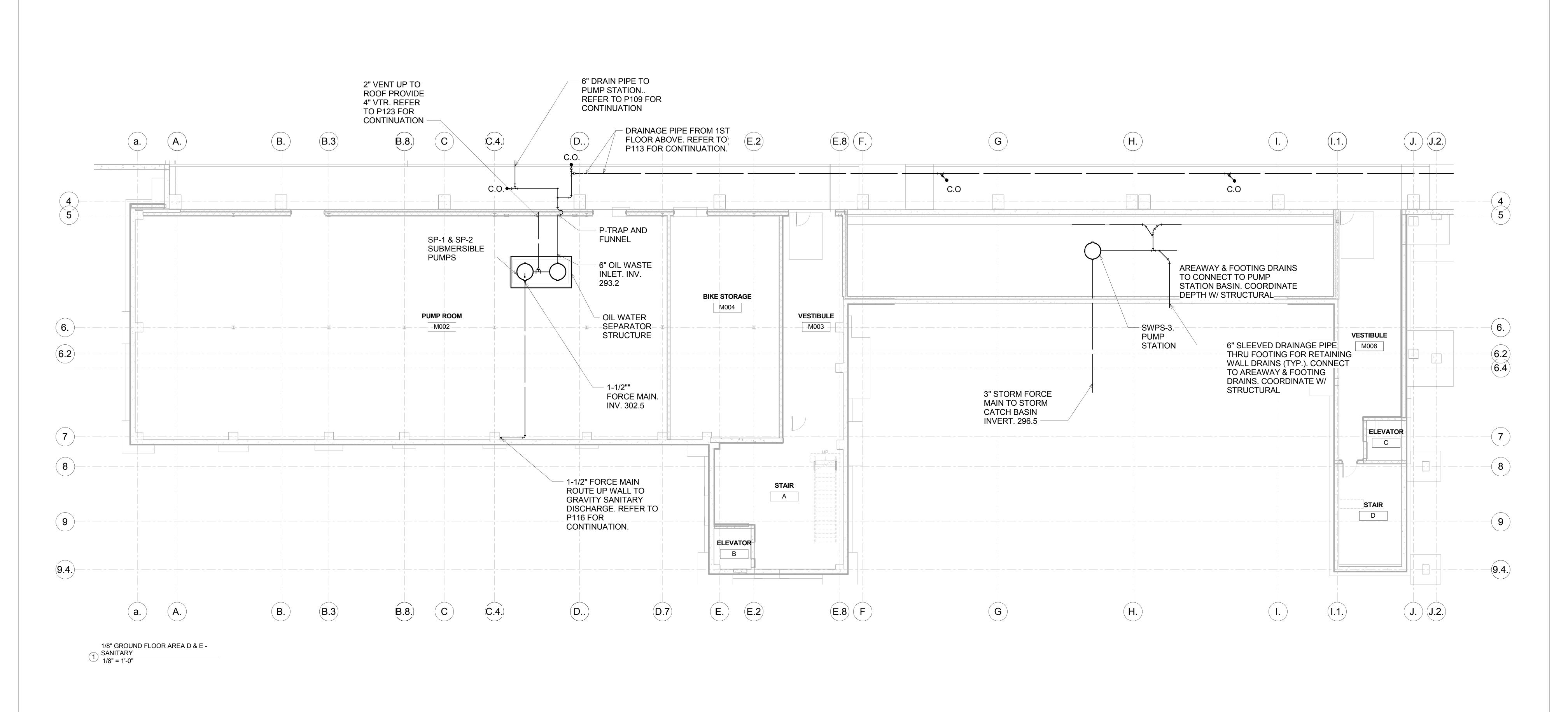
DRAWING NO.

FROST BRIDGE ROAD WATERTOWN, CONNECTICUT 06787

SANITARY GROUND FLOOR PLAN -

AREA D & E

DRAWING TITLE:



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEERS: ReSTL DESIGNERS, CLOUGH HARBOUR ASSOC., AI ENGINEERS,

STATE OF CONNECTICUT

DATE:

APPROVED BY:

DESIGNED BY:

AI ENGINEERS

919 MIDDLE STREET

MIDDLETOWN CT

PROJECT TITLE:

**WATERBURY BUS** 

MAINTENANCE FACILITY

**REPLACEMENT** 

DESIGNER/DRAFTER:

THE INFORMATION, INCLUDING

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ACTUAL QUANTITIES OF WORK SCALE: WHICH WILL BE REQUIRED.

ESTIMATED QUANTITIES OF

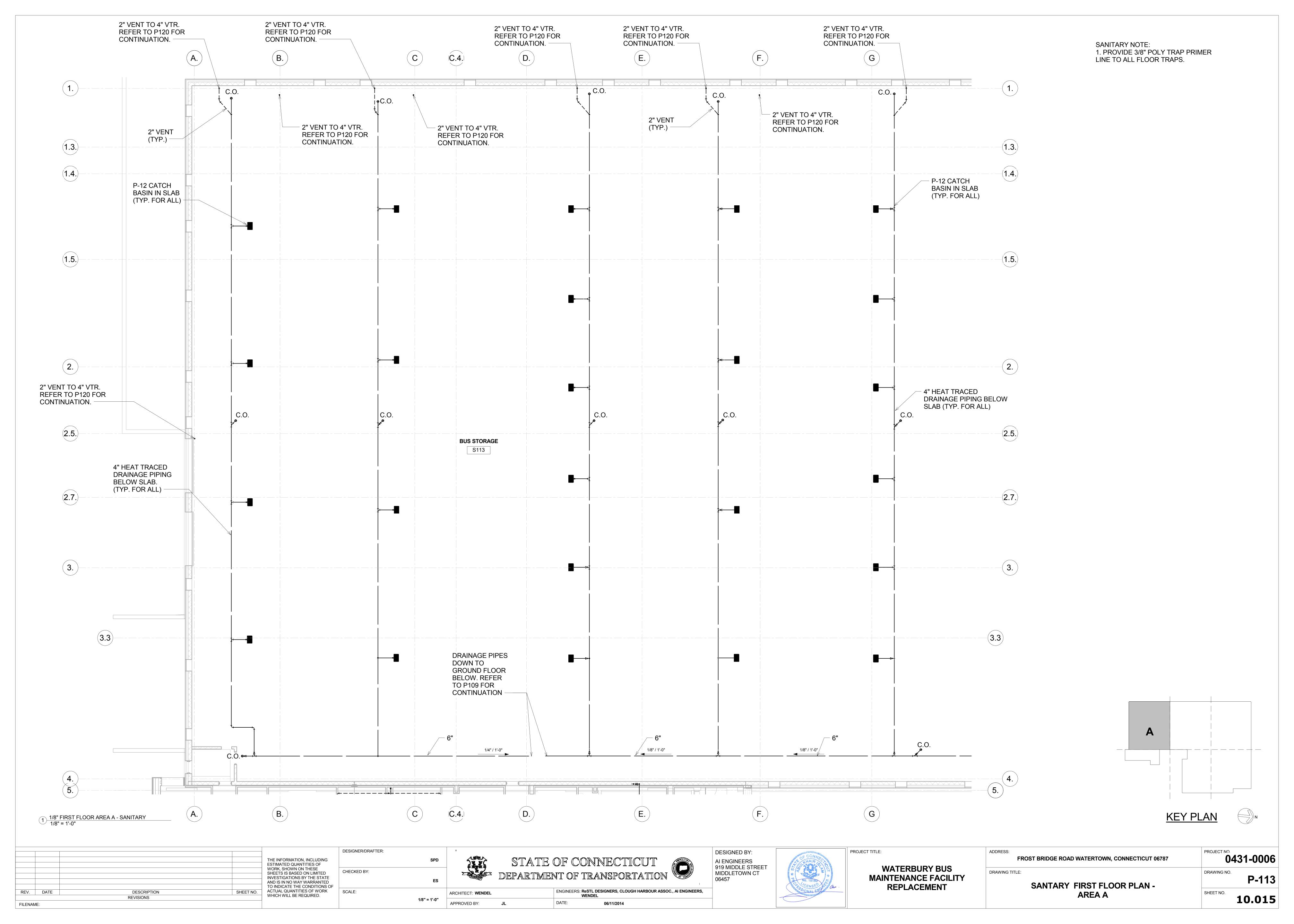
WORK, SHOWN ON THESE

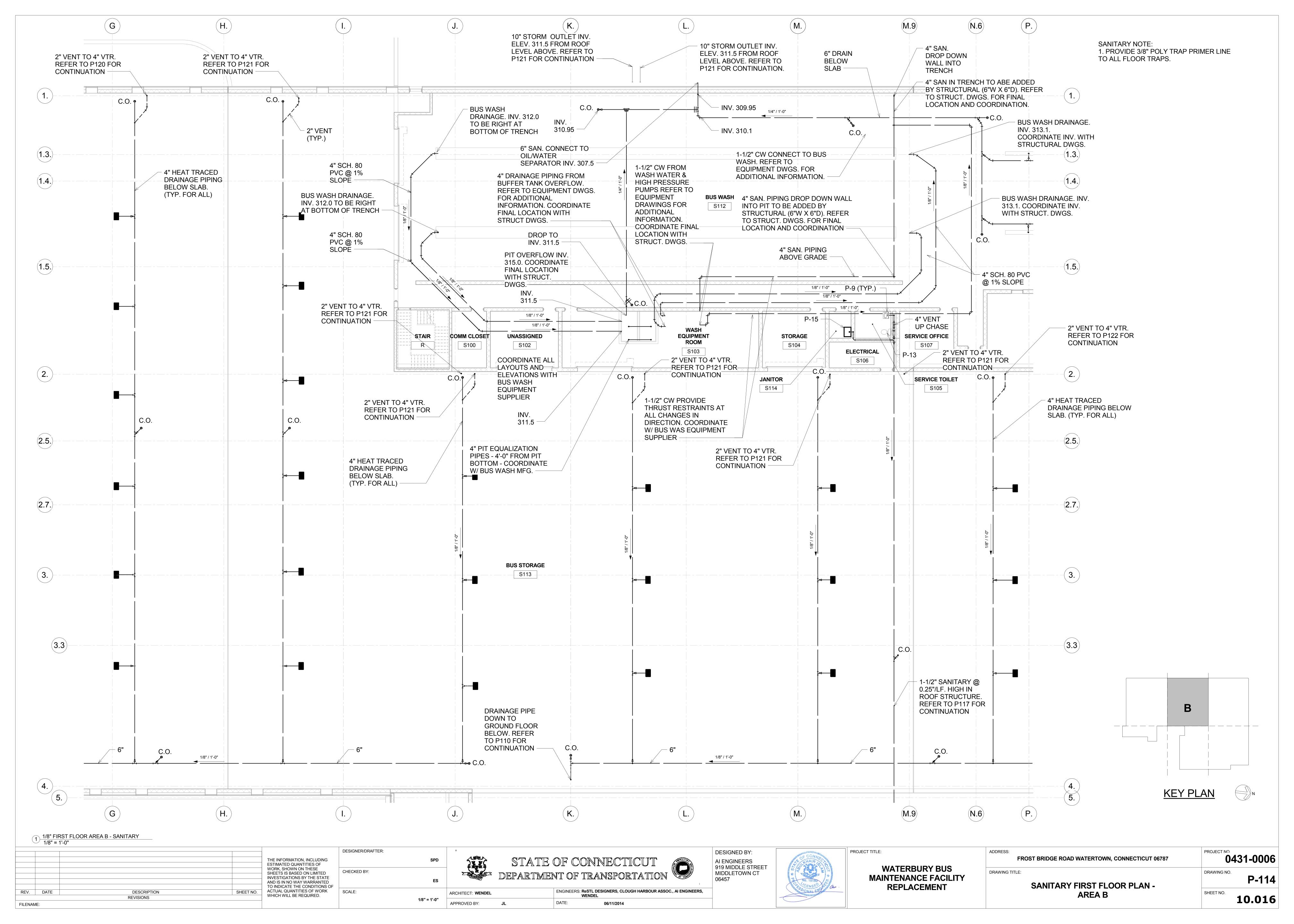
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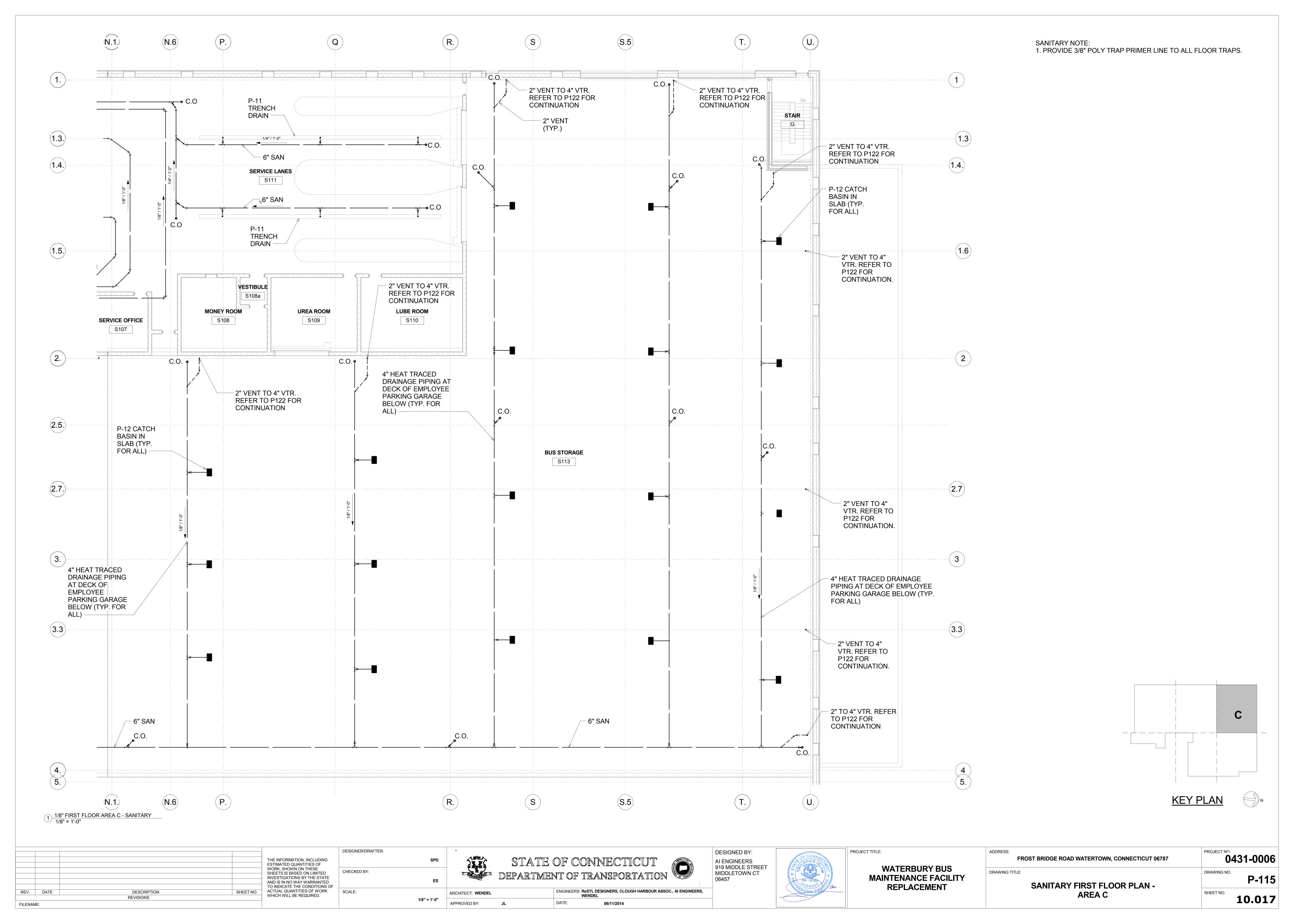
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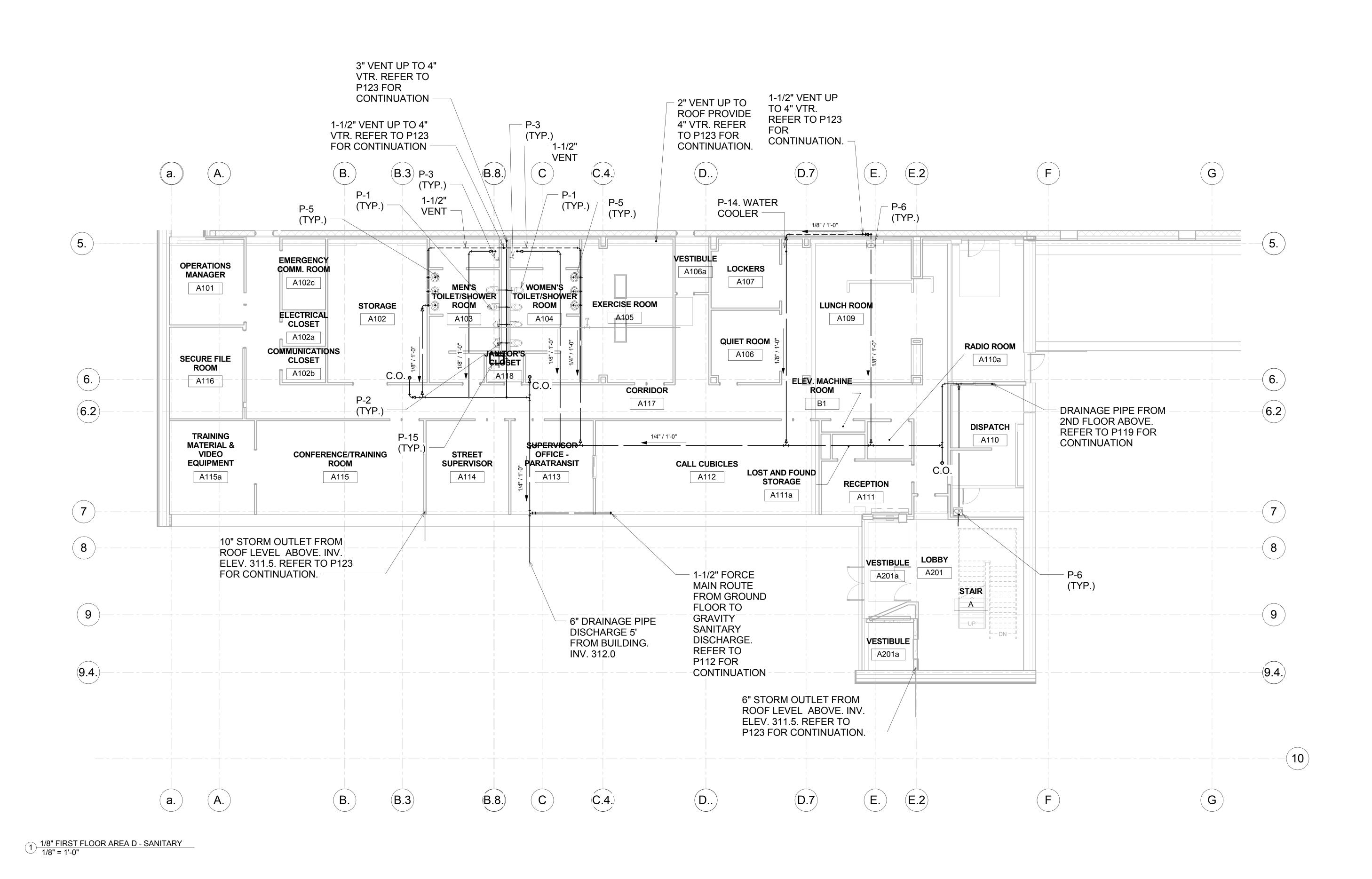
DESCRIPTION

REVISIONS









D KEY PLAN

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SCALE:

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DESIGNER/DRAFTER:

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CHECKED BY:

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SCALE:

ADCHITECT: WENDEL

APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ENGINEERS: Restl designers, Clough Harbour assoc., ai engineers,

DESIGNED BY:
AI ENGINEERS
919 MIDDLE STREET
MIDDLETOWN CT
06457

PROJECT TITLE:

MAIR

No. 15180

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WATERBURY BUS
MAINTENANCE FACILITY
REPLACEMENT

FROST BRIDGE ROAD WATERTOWN, CONNECTICUT 06787

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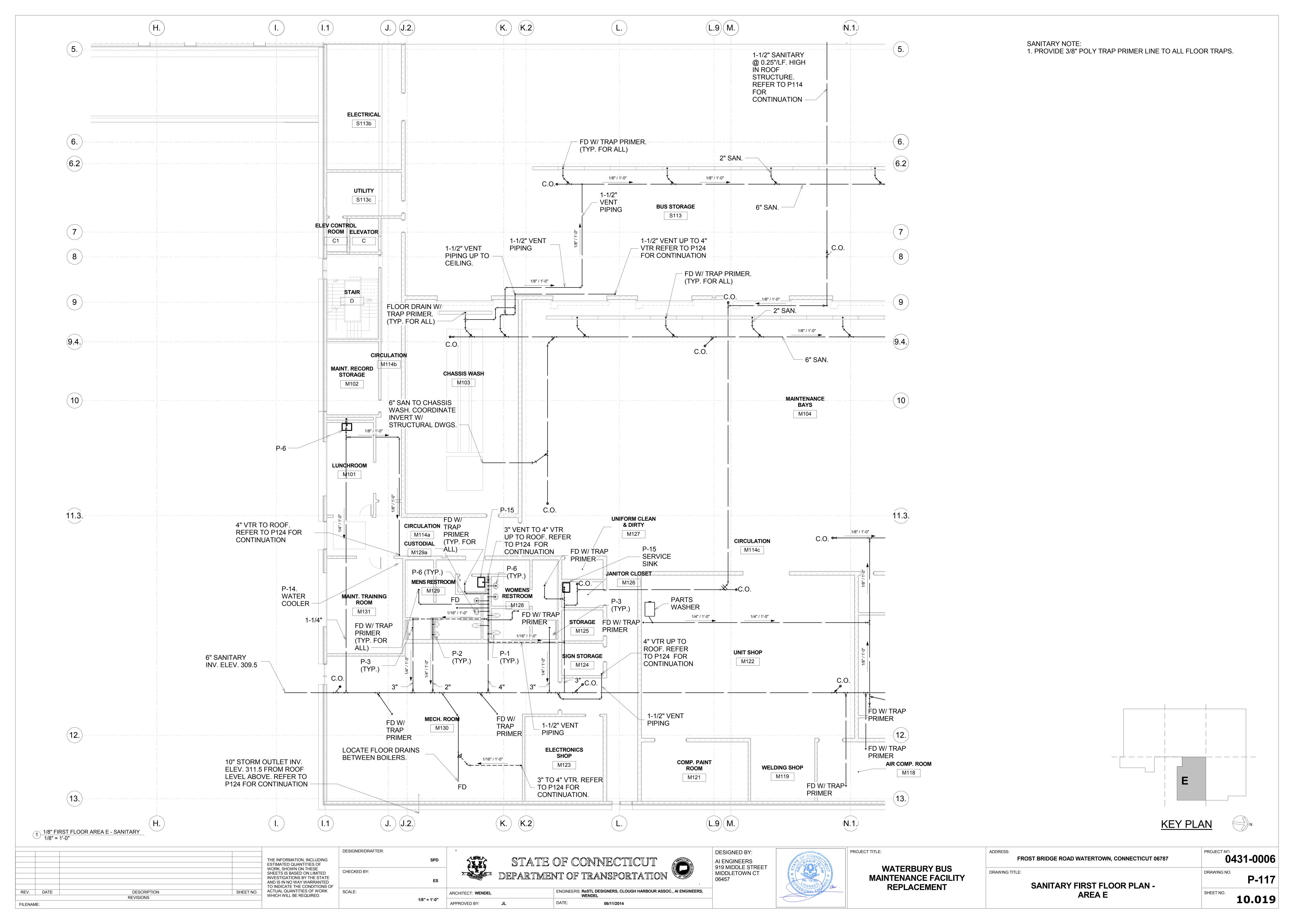
SANITARY FIRST FLOOR PLAN -

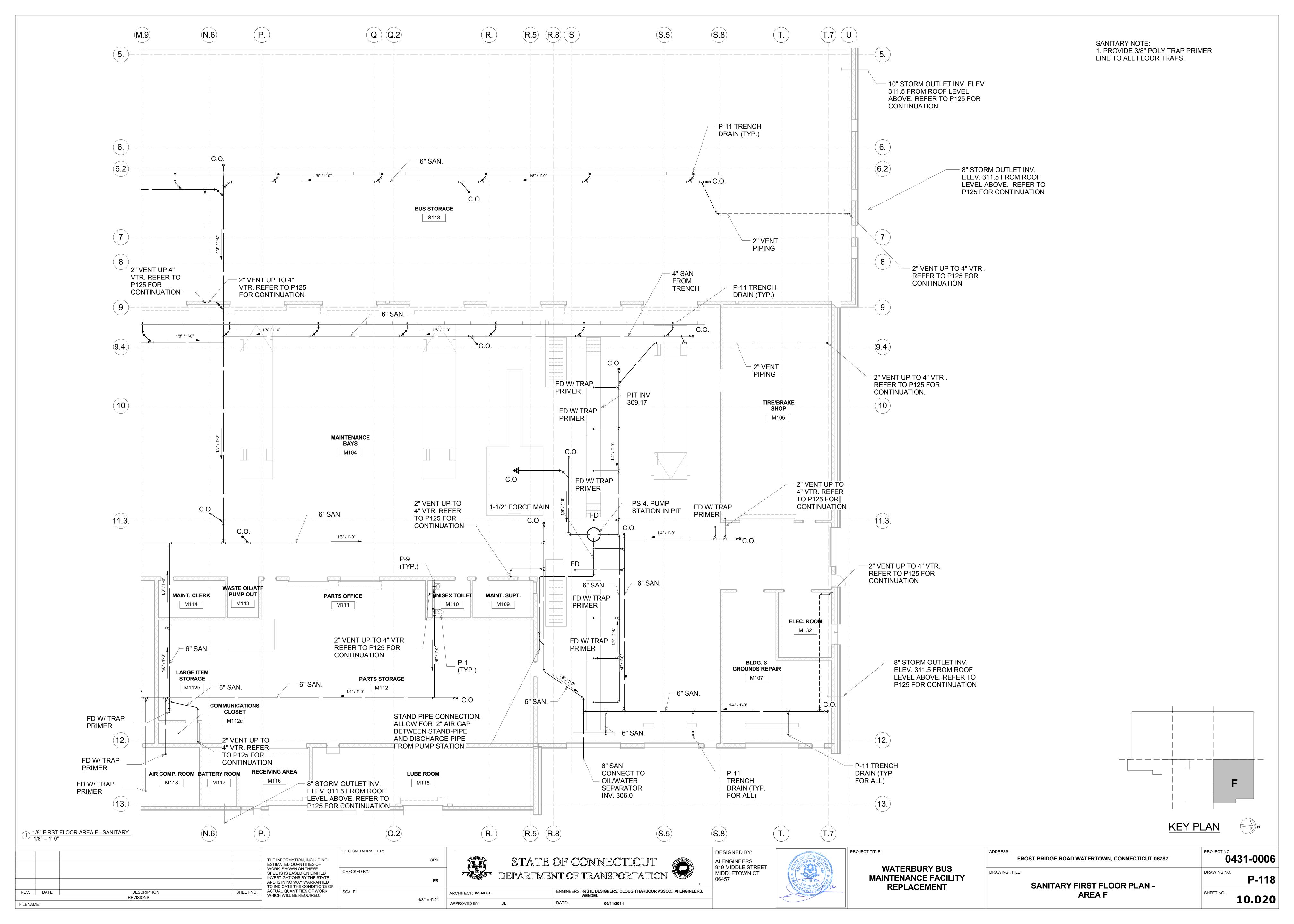
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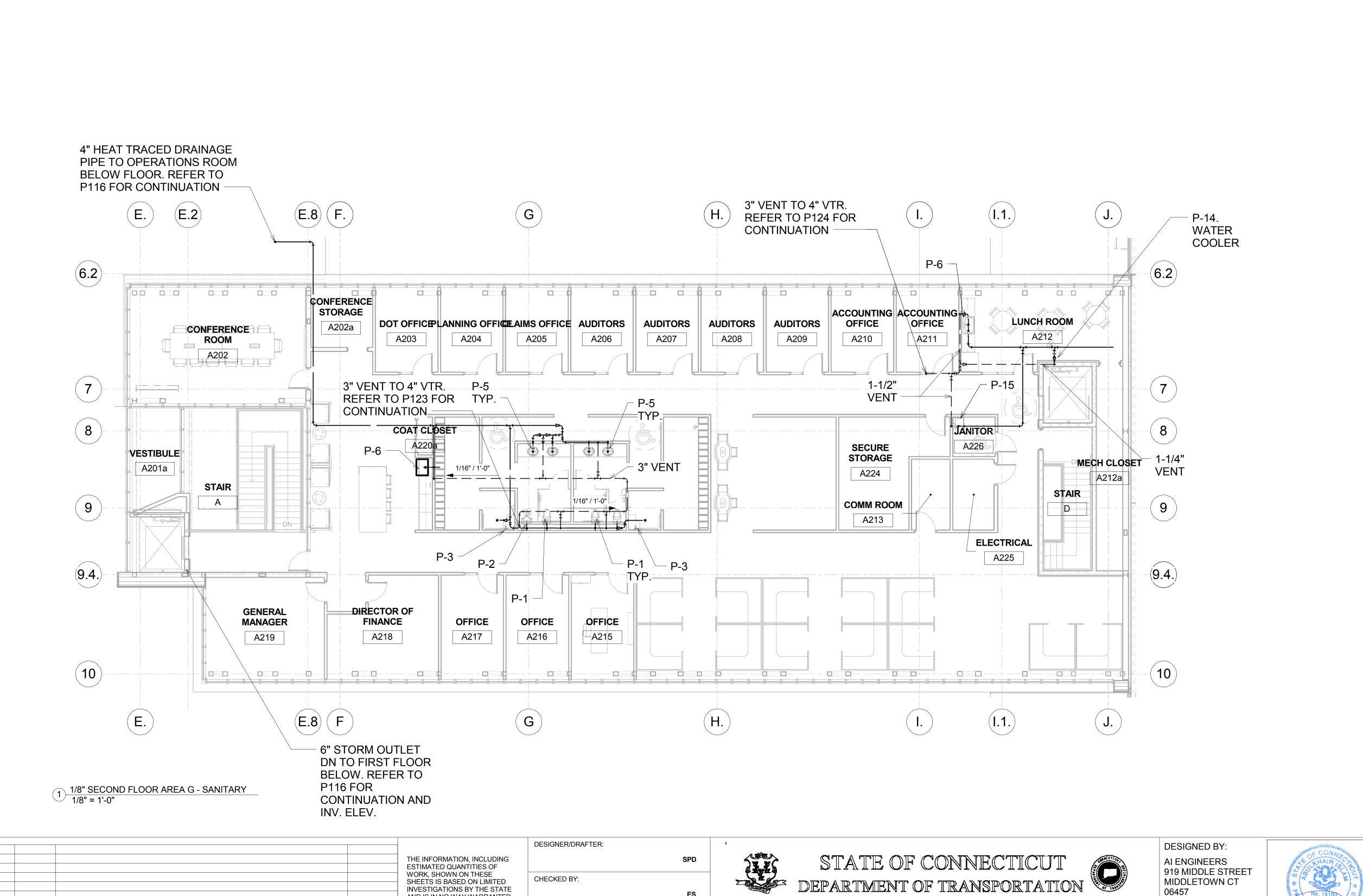
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DRAWING NO.
P-116

SHEET NO.
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WHICH WILL BE REQUIRED.

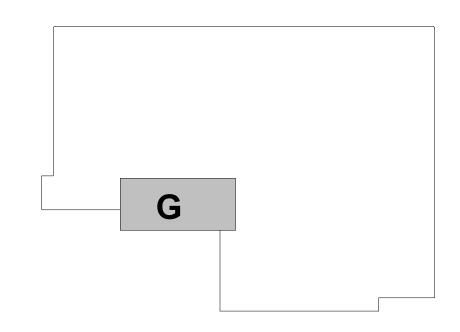
SCALE:

REV. DATE

FILENAME:

DESCRIPTION

REVISIONS



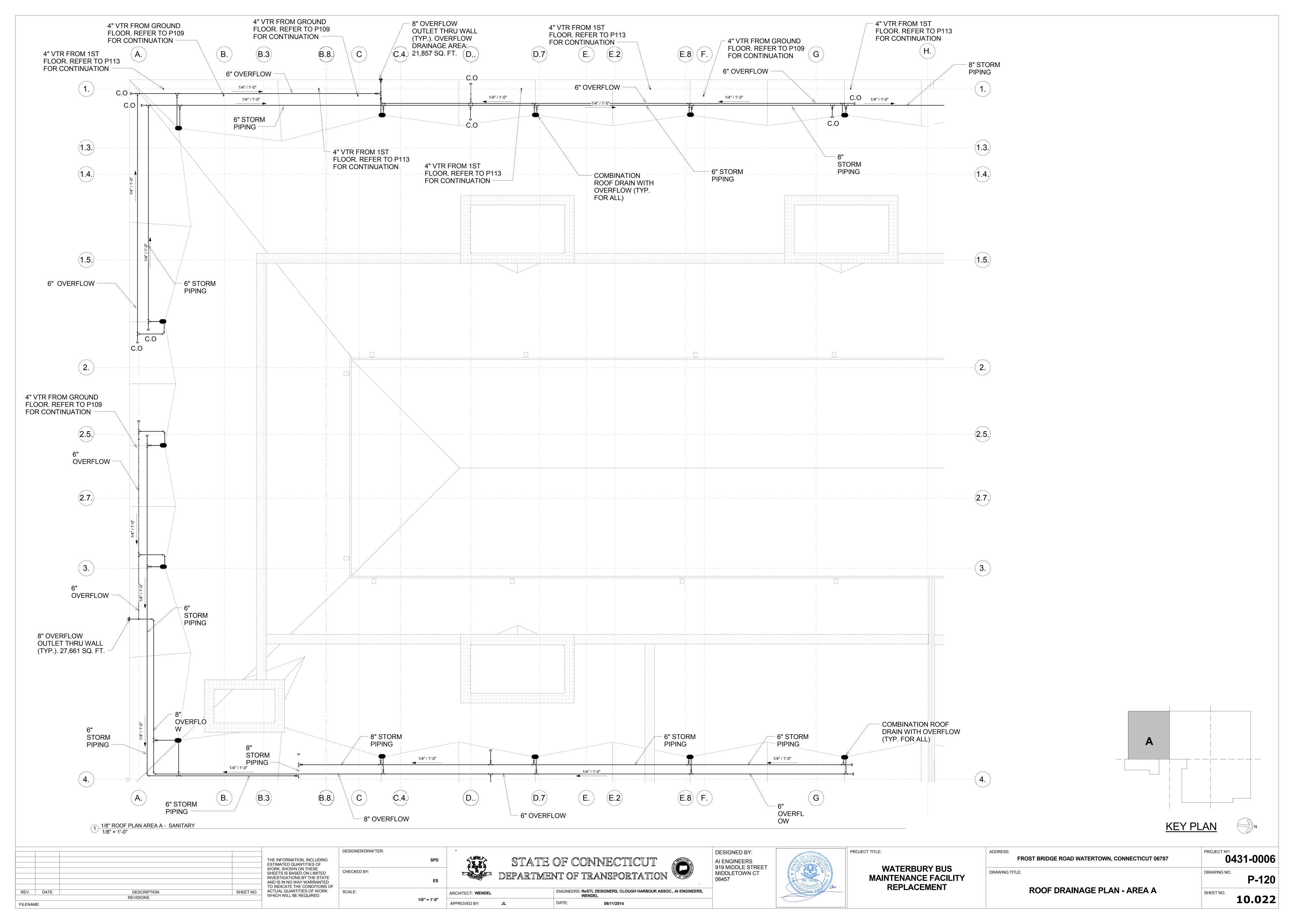
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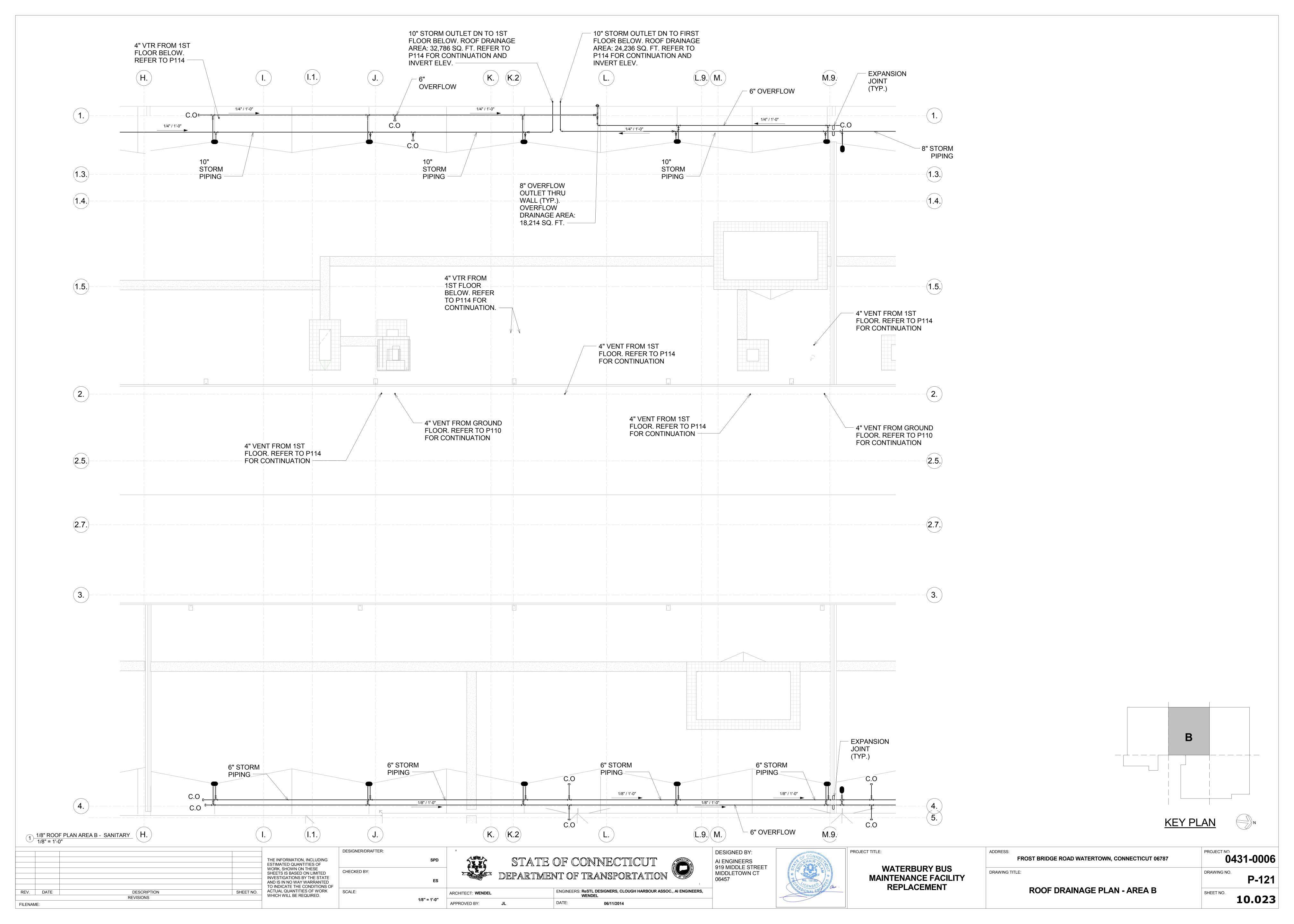
ENGINEERS: ReSTL DESIGNERS, CLOUGH HARBOUR ASSOC., AI ENGINEERS, WENDEL

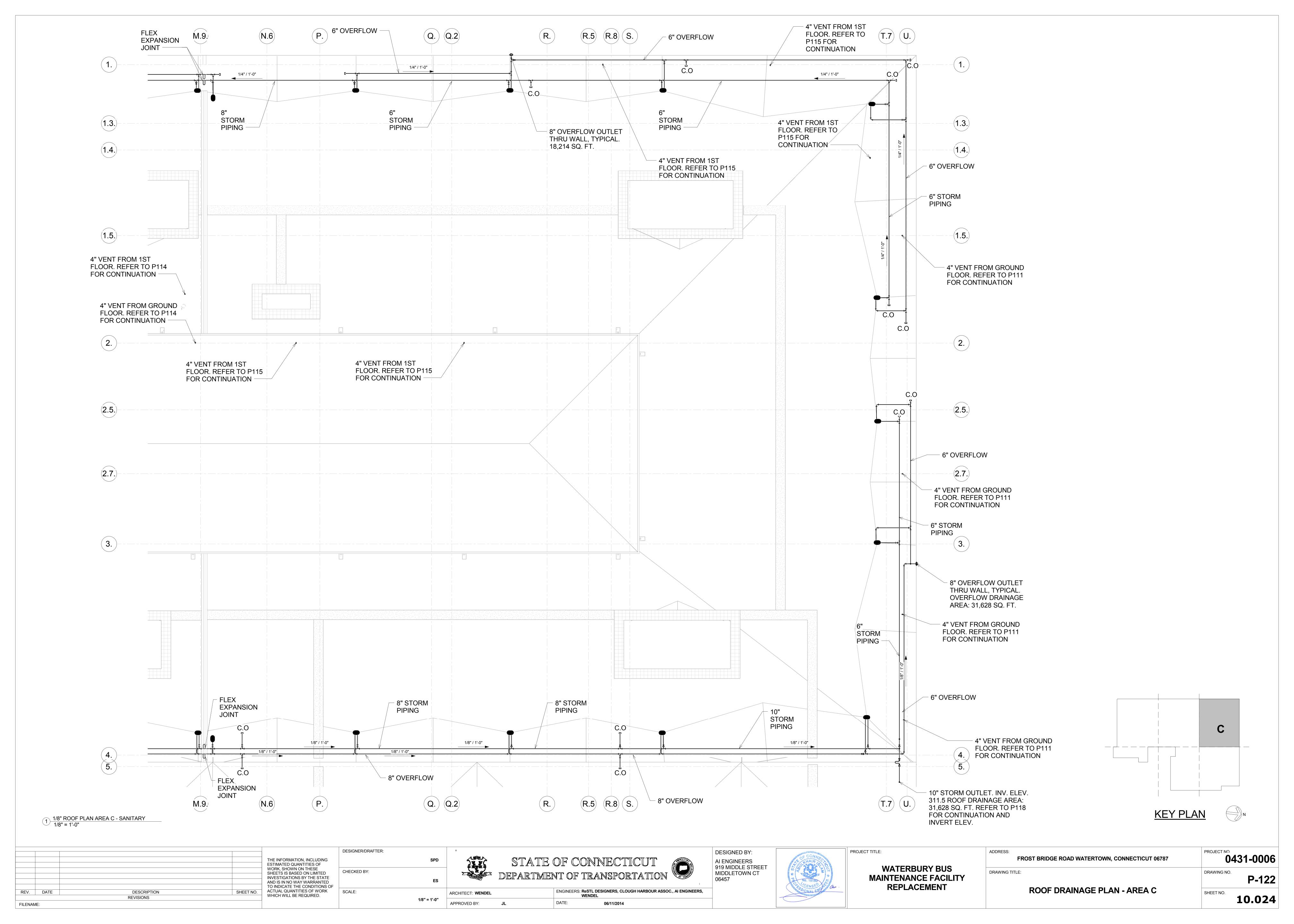
**WATERBURY BUS MAINTENANCE FACILITY REPLACEMENT** 

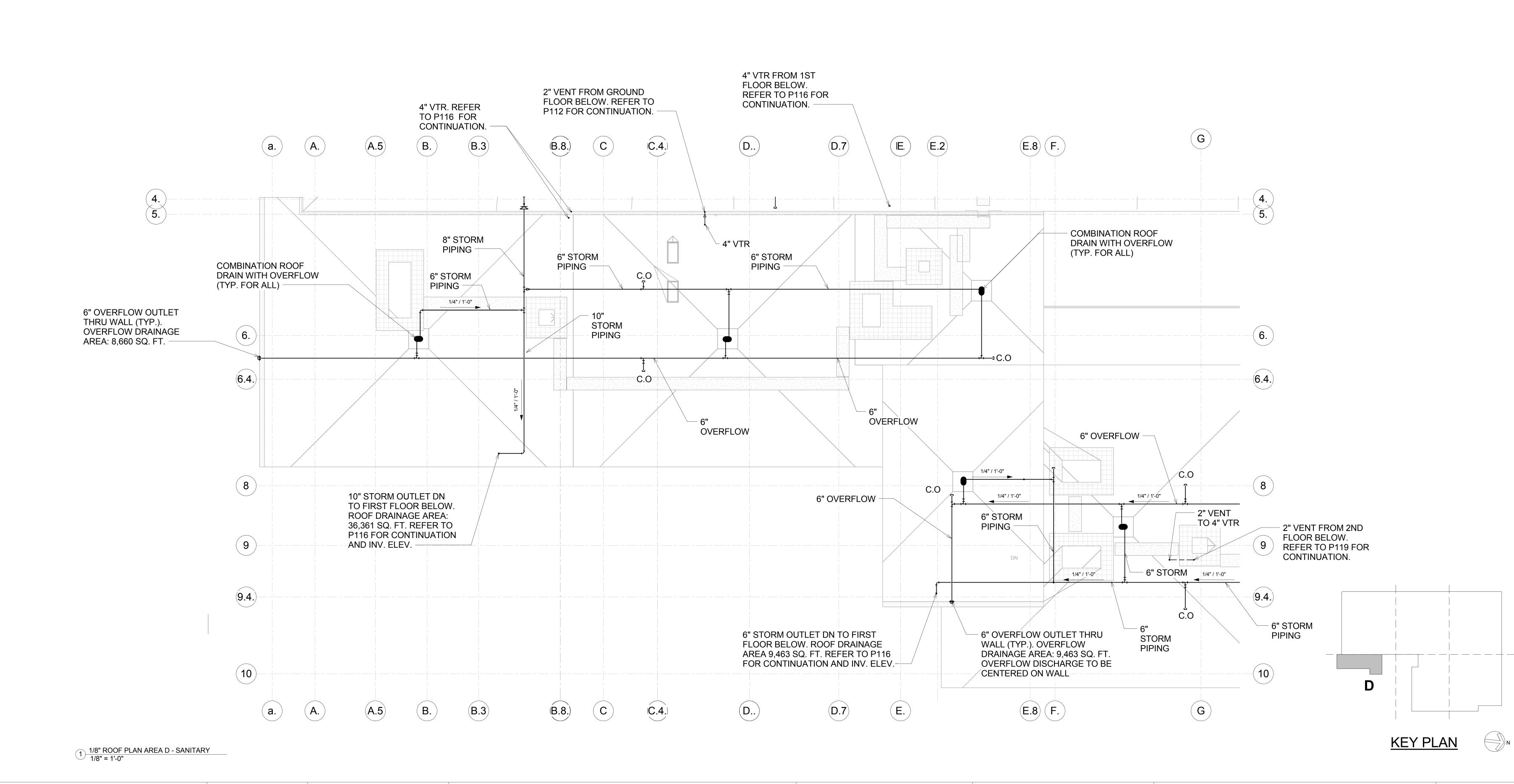
FROST BRIDGE ROAD WATERTOWN, CONNECTICUT 06787 SANITARY SECOND FLOOR - AREA

0431-0006 DRAWING NO. P-119 10.021









REV. DATE

FILENAME:

DESCRIPTION

REVISIONS

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SCALE:

DESIGNER/DRAFTER:

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CHECKED BY:

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SCALE:

1/8" = 1'-0"

S ARCHITECT: WENDEL

APPROVED BY:

DEPARTMENT OF TRANSPORTATION

ENGINEERS: Restl designers, clough harbour assoc., al engineers, wendel

DESIGNED BY:
AI ENGINEERS
919 MIDDLE STREET
MIDDLETOWN CT
06457



WATERBURY BUS
MAINTENANCE FACILITY
REPLACEMENT

TY

ADDRESS:
FROST BRIDGE ROAD WATERTOWN, CONNECTICUT 06787

DRAWING TITLE:

ROOF DRAINAGE PLAN - AREA D

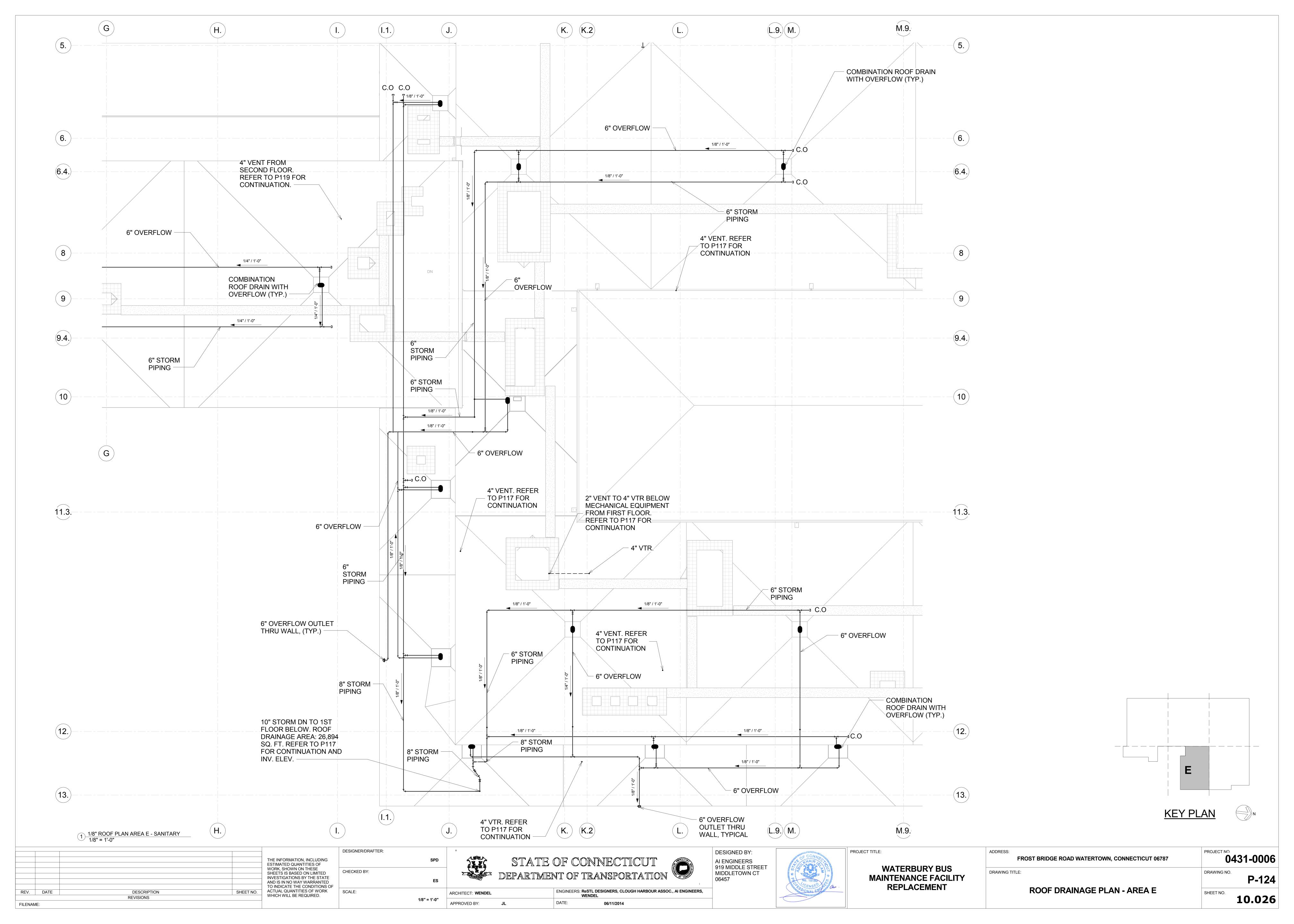
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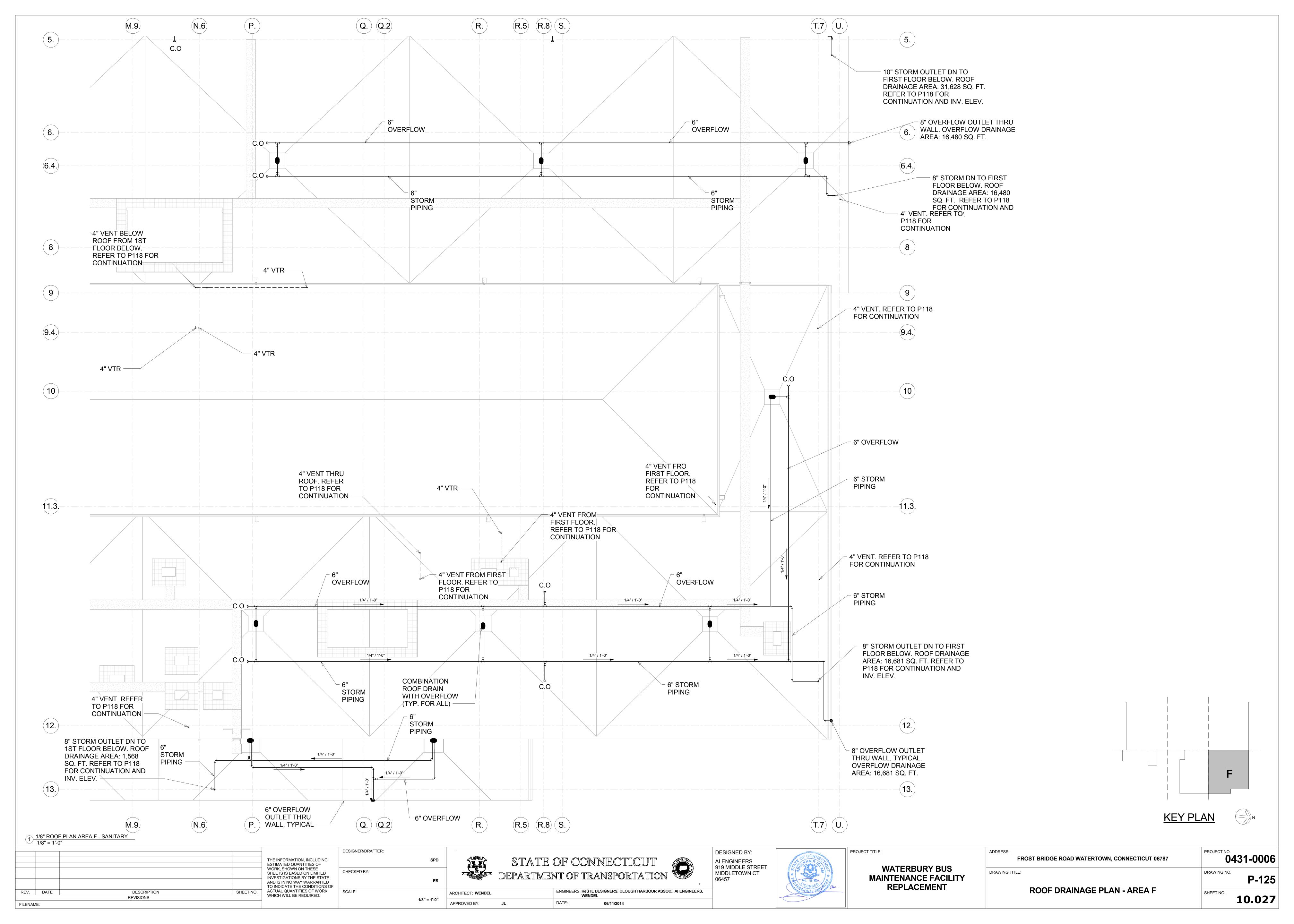
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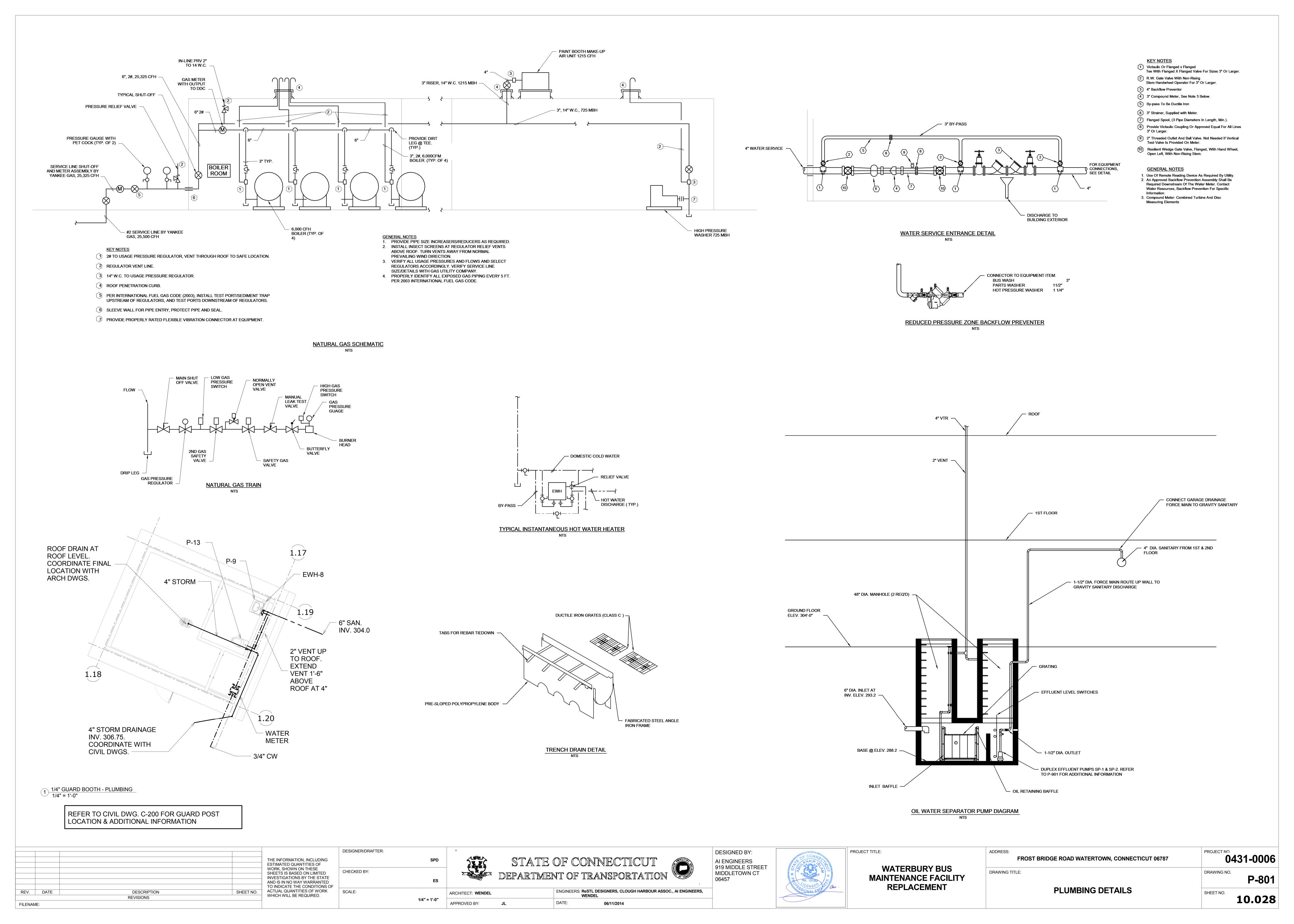
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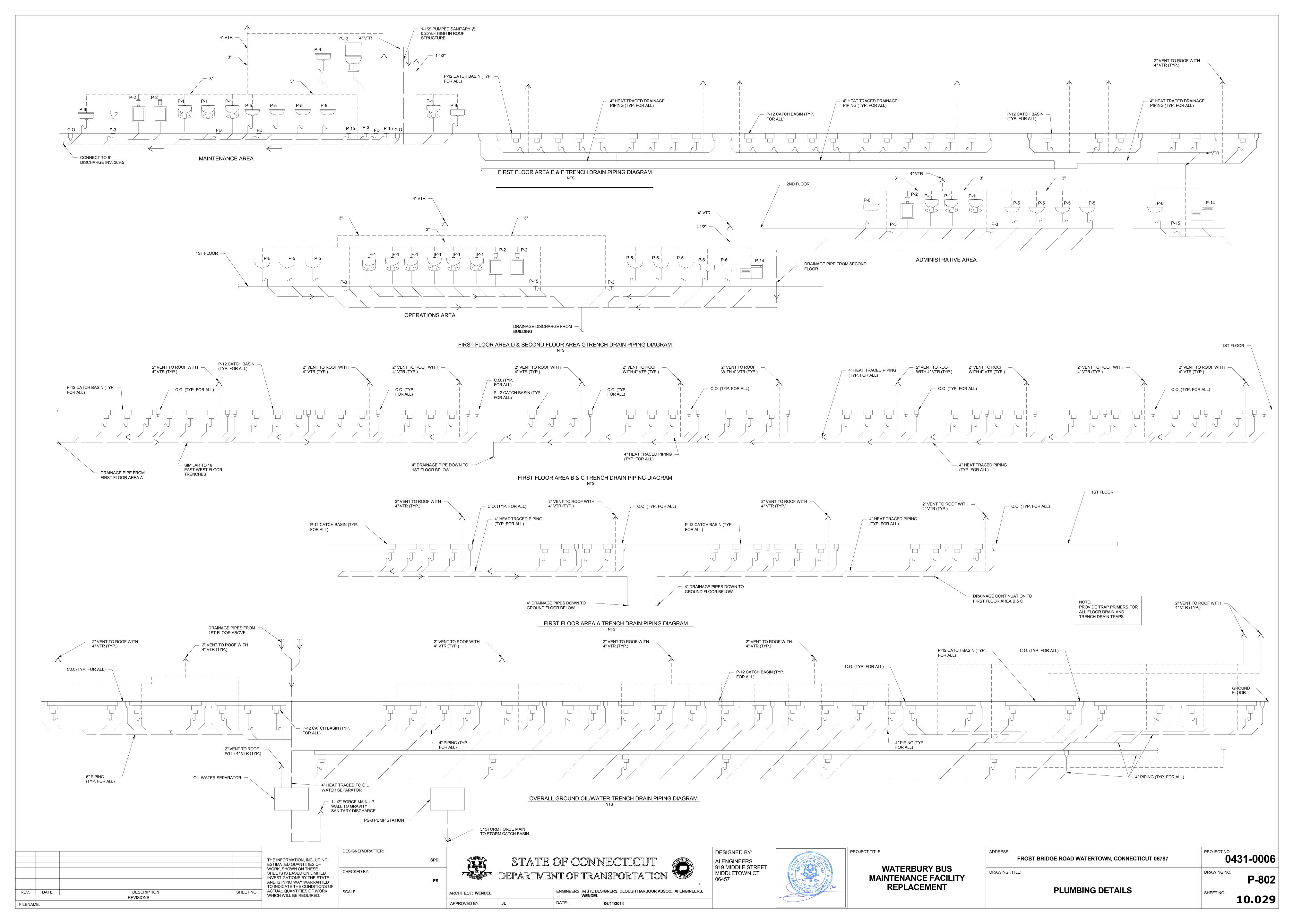
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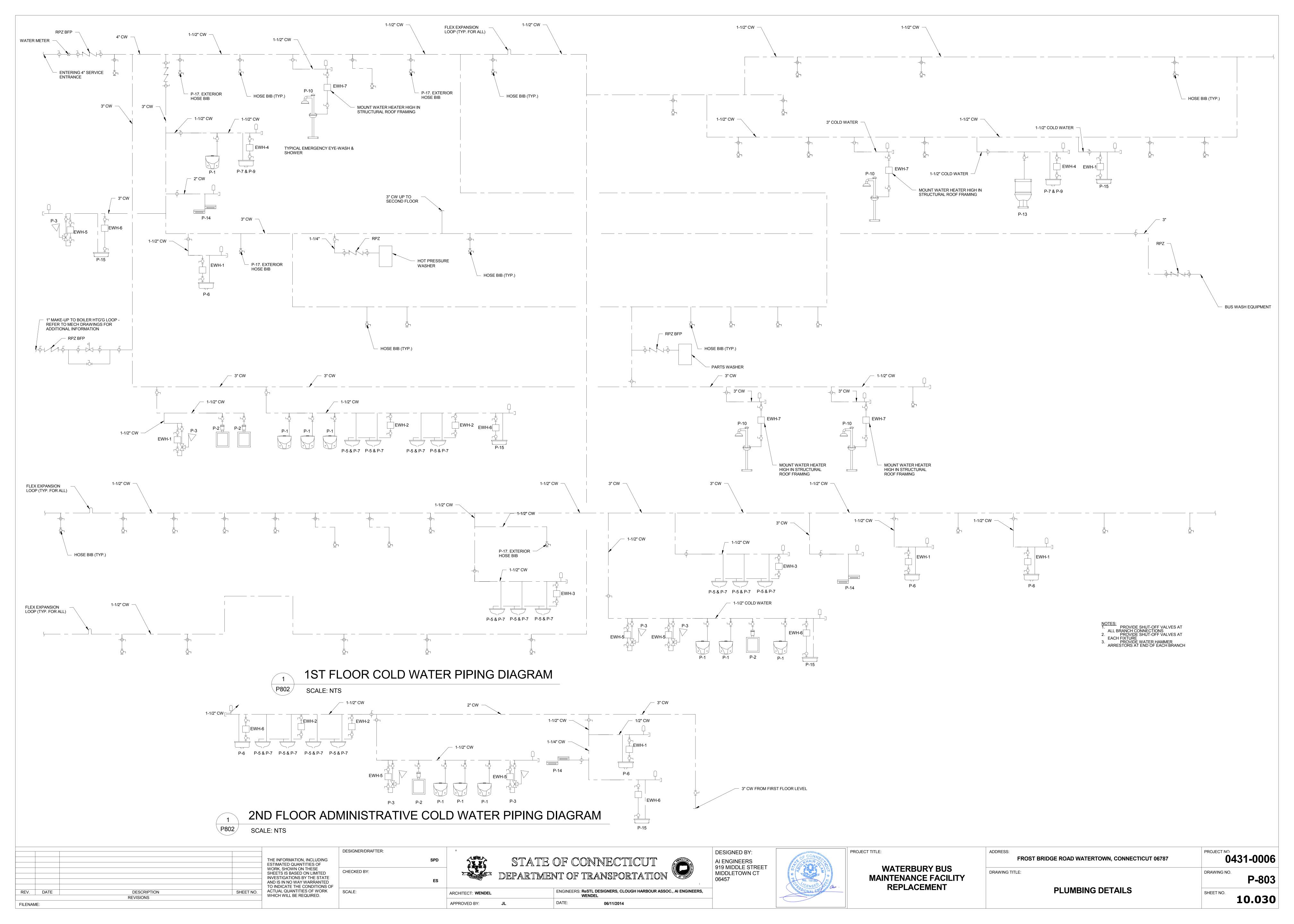
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		ELECTRIC WATER	HEATER	SCHEDULE		
SYMBOL	LOCATION	MODEL	KW	V-PH-HZ	AMPS	REMARKS
EWH-1	M101, A109, A110, A212	EX100T FS (120F)	10	277/1/60	36	
EWH-2	M129, M128, A221A, A222A	MT008277T	8	277/1/60	29	
EWH-3	A103, A104	MT010277T	10	277/1/60	40	
EWH-4	S105, M110	MT004277T	4.1	277/1/60	15	
EWH-5	A103, A104, M129, M128, A221A, A222A	ED020480T2T FS (110F)	32	480/3/60	24	
EWH-6	S114, A118, M126, M129A, A226, A221B	ED032480T2T2	24	480/3/60	38	
EWH-7	EYEWASH/E-SHOWER	ED079480T12EFD	79	480/3/60	152	MOUNT HIGH IN ROOF FRAMING
EWH-8	GUARD BOOTH	SP3208	3.0	208/1/60	14.4	

	PUMP STATION SCHEDULE												
SYMBOL	TYPE	MODEL	SIZE (IN.)	SHUT-OFF HEAD (FT)	TDH (FT)	FLOW (GPM)	LOCATION	DEPTH OF BASI (FT)	N MOTOR SPEED (RPM)	MAX. RATED POWER (HP)	V-PH-HZ	MANUFACTURER	REMARKS
SWPS-1	SUBMERSIBLE	SFV4A	4	50	25	275	SOUTH WELL AREA	297'-6"	1750 RPM	7.0	460-3-60	GORMAN RUPP	
SWPS-2	SUBMERSIBLE	SFV3B	3	48	25	250	NORTH WELL AREA	297'-6"	1750 RPM	7.0	460-3-60	GORMAN RUPP	
SWPS-3	SUBMERSIBLE	SFV3A	3	38	25	150	COURTYARD WELL AREA	297'-6"	1750 RPM	3.0	460-3-60	GORMAN RUPP	
PS-4	SUBMERSIBLE		2	21	30	15	PIT	297'-6"	1750 RPM	0.5	120-1-60	GRUNDFOS	
NOTES: 1) MANUFAC													

	PUMP SCHEDULE												
SYMBOL	MEDIA	FLOW (GPM)	TDH (FT)	SHUT-OFF HEAD (FT)	RPM	V-PH-HZ	MOTOR (HP)	TYPE	PUMP MANUFACTURER	REMARKS			
SP-1	WATER	15	21	30	1750	120-1-60	1/2	SUBMERSIBLE	GRUNDFOS	PUMP STATION O/W SEPARATOR BY OIL WATER SEPARATOR TECHNOLOGIES, LLC.			
SP-2	WATER	15	21	30	1750	120-1-60	1/2	SUBMERSIBLE	GRUNDFOS	PUMP STATION O/W SEPARATOR BY OIL WATER SEPARATOR TECHNOLOGIES, LLC.			
NOTES:	•		•			•			•				

NOTES:

1) MANUFACTURER LISTED ARE ONLY USED AS THE BASIS FOR DESIGN. REFER TO SPECIFICATION FOR LIST OF ACCEPTABLE MANUFACTURERS.
2) PROVIDE WITH NON-OVERLOADING MOTOR.
3) DUPLEX SYSTEM IN 48" DIA. WET WELL W/RAILS.

SYMBOL	FIXTURE	SOIL OR WASTE	VENT	COLD WATER	HOT WATER	TEPID WATER	MOUNTING HEIGHT	MANUFACTURER & MODEL	OPERATION	REMARKS
P-1	WALL-HUNG WATER CLOSET	3"		1"			WALL MOUNT 17-19"	AMERICAN STANDARD 2257.712	ELECTRICAL SENSOR 120 V INPUT	ADA
P-2	URINAL	2"	1 1/4"	3/4"			WALL MOUNT 17"	AMERICAN STANDARD 6590.530	ELECTRICAL SENSOR 120 V INPUT	ADA
P-3	LOW FLOW SHOWER	1 1/2"	1 1/4"	1/2"	1/2"			AMERICAN STANDARD T508.507		ADA
P-4	LOW FLOW KITCHEN SINK			1/2"	1/2"			AMERICAN STANDARD 4175.500.F15		ADA
P-5	LAVATORY	1 1/2"	1 1/4"	1/2"			COUNTER	AQUALYN 0476.028		ADA
P-6	KITCHEN SINK	1 1/2"	1 1/4"	1/2"	1/2"		COUNTER	AMERICAN STANDARD 24SB.252283.290		ADA
P-7	LAVATORY FAUCET					1/2"		INNBROOK SELECTRONIC 6059.205	ELECTRICAL SENSOR 120 V INPUT	ADA
P-8	ROOF DRAIN	6"					ROOF	WATTS RD-700		ADA
P-9	WALL HUNG LAVATORY			1/2"	1/2"			AMERICAN STANDARD 0355.012		ADA
P-10	EMERGENCY EYE WASH SHOWER					1"	PEDESTAL	BRADLEY S19-310DCBF		ADA
P-11	TRENCH DRAIN						FLOOR	MIFAB T2000		ADA, SLOPE
P-12	CATCH BASIN						FLOOR	MIFAB T1400-CB1224		ADA
P-13	MACERATING TOILET	1 1/2"	1 1/2"	1/2"			FLOOR	SANIFLUSH 005 & 007	120 V, 9 AMPS, 1 HP	ADA
P-14	WATER COOLER	1 1/2"	1 1/4"	1/2"			DUAL LEVEL	ELKAY LZSTL8WSVR		ADA
P-15	SERVICE SINK	3"	1 1/2"	1/2"	1/2"		FLOOR	AMERICAN STANDARD 7615.008 W/8340.243		ADA
P-16	HOSE BIB			3/4"			42" NOM.	WOODFORD 24		ADA
P-17	FREEZE PROOF HOSE BIB			3/4"			42" NOM.	WOODFORD B65		ADA

				THE INFORMATION, INCLUDIN ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE
				SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STA AND IS IN NO WAY WARRANTI
EV.	DATE	DESCRIPTION REVISIONS	SHEET NO.	TO INDICATE THE CONDITION ACTUAL QUANTITIES OF WOR WHICH WILL BE REQUIRED.

DESIGNER/DRAFTER:

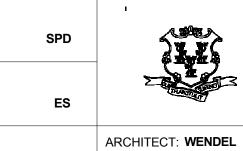
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DESIGNER/DRAFTER:

STATE

CHECKED BY:

SCALE:



APPROVED BY:

STATE OF CONNECTICUT

DEPARTMENT OF TRANSPORTATION

ENGINEERS: ReSTL DESIGNERS, CLOUGH HARBOUR ASSOC., AI ENGINEERS, WENDEL

DESIGNED BY:
AI ENGINEERS
919 MIDDLE STREET
MIDDLETOWN CT
06457



PROJECT TITLE:

WATERBURY BUS
MAINTENANCE FACILITY
REPLACEMENT

ADDRESS:

FROST BRIDGE ROAD WATERTOWN, CONNECTICUT 06787

DRAWING TITLE:

DRAWING NO.
P-901

PLUMBING SCHEDULES
SHEET NO.

10.031

PROJECT NO. **0431-0006**